CHECK LIST AND HOST PLANT INDEX TO SCALE INSECTS OF TAIWAN, REPUBLIC OF CHINA [1]

by Charles Chia-chu Tao [2]

Introduction

Scale insects of Taiwan had been studied by Drs. Green, Chamberlin, Ferris, Takahashi and Takagi. Their publication scattered in different Journals and Countries since 1923 to 1970. However, the specimens were deposited in our collection and a part of them in the collection of College of Agriculture, University of Hokkaido, Japan.

The present paper is only to record the place of original description or first record from Taiwan, synonyms, host plants and localities under each species. The arrangement is according to the newest system of Coocoidea and 12 familes, 101 genera and 314 species were recorded. Host plant index is also included.

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Family ACLERIDAE

Genus ***Aclerda*** Signoret 1874

Ann. Soc. Ent. France (Ser. 5) 4 : 96. Type : *Aclerda subterranea* Signoret 1874.

A. sacchari Teague 1925

Ann. Ent. Soc. Amer. 18 : 439, figs. ; Takahashi 1930 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 48 : 136, *A. japonica.*

Syn. : *A. japonica* Takahashi nec Newstead 1901, *A. caminensis* Hempl 1934, *A. thysanolaenae* Mamet 1943.

Host : *Saccharum officinarum.*

Locality record : Hsinhua.

Family ASTEROLECANIIDAE

Genus ***Anomalococcus*** Green 1902

Ent. Mag. 38 : 261. Type : *Anomalococcus cremastogastri* Green 1902.

A. multipori Morrison 1921

Philip. J. Sci. 18 : 641, fig.

Host : *Glochidon* sp.

Locality record : Taipei, Kenting.

Genus ***Asterolecanium*** Targioni-Tozzetti 1868

Intr. 2nd Mem Studi Cocc. Catalogue : 41 ; Ferris 1955 Atlas Scale Insects N. Amer. 7 : 15. Type : *Coccus aurens* Boisduval 1868.

Syn. *Asterodiaspis* Signoret 1871, *Planchonia* Signoret 1870, *Bambusaspis* Cockerell 1902.

A. bambusae (Boisduval 1869)

Insect Agric. 3 : 261, *Chermis* ; Russell 1941 U. S. D. A. Misc. Publ. 424 : 47, *Asterolecanium.*

Hosts : *Bambusa stenostachya*, *B.* sp.

Locality record : Taipei, Yuanshan, Chushan, Wushe, Chiayi.

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A. bambusicola Kuwana 1916

Annot. Zool. Japan 9 : 146 ; Russell 1941 U. S. D. A. Misc. Publ. 424 : 49 ; Takahashi 1928 Philip. J.Sci. 36 : 339, *A. bambusae* var. *tuberculata* ; 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 46, *tuberculatum*.

Syn. : *Asterolecanium tuberculatum* Takahashi 1929

Host : *Bambusa*.

Locality record : Taipei.

A. corallinum Takahashi 1928

Philip. J. Sci. 36 : 339, fig., *corallinus*; Russell 1941 U. S. D. A. Misc. Publ. 424 : 71.

Hosts : *Psychotria reevesii*, *Sideroxylon* sp.

Locality record : Keelung, Taipei, Shihlin.

A. coronatum Green 1909

Coccidae Ceylon : 327, pl. 74 ; Russell 1941 U. S. D. A. Misc. Publ. 424 : 72.

Host : *Bambusa stenostachya*.

Locality record : Taipei.

A. horishae Russell 1941

U. S. D. A. Misc. Publ. 424 : 106 ; Takahashi 1934 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 63 : 4, *japonica* Cockerell.

Syn. : *A. japonicum* Takahashi 1934 nec Cockerell.

Hosts : *Lithocarpus* sp., *Quercus* sp.

Locality record : Hsintien, Shuishe.

A. machili Russell 1941

U. S. D. A. Misc. Publ. 424 : 125.

Host : *Machilus* sp.

Locality record : Yangmingshan.

A. miliaris var. ***rubsutum*** Green 1908

India Dept. Agr. Mem Ent. 2 : 19 ; Russell 1941 U. S. D. A. Misc. Publ. 424 : 130.

Host : Bamboo.

Locality record : Erhshui.

A. minutum Takahashi 1930

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 48 : 10 ; Russell 1941 U. S. D. A. Misc. Publ. 424 : 135.

Host : *Bambusa stenostachya*.

Locality record : Taipei, Pingtung.

A. pasaniae Kuwana and Cockerell 1909

N. Y. Ent. Soc. J. 17 : 154 ; Russell 1941 U. S. D. A. Misc. Publ. 424 : 149.

Hosts : *Lithocarpus uraiana*, *Cyclobalanopsis glauca*.

Locality record : Taipei, Hsintien, Wulai.

A. pseudolanceolatum Takahashi 1933

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 60, 34 ; Russell 1941 U. S. D. A. Misc. Publ. 424 ; 158.

Host : *Bambusa*.

Locality record : Taipei, Pintung.

A. pseudomiliaris Green 1922

Bombay Nat. Hist. Soc. J. 28 : 1036 ; Russell U. S. D. A. Misc. Publ. 424 : 160.

Host : Bamboo.

Locality record : Erhshui.

A. psychotriae Russell 1941

U. S. D. A. Misc. Publ. 424 : 162.

Host : *Psychotria* sp.

Locality record : Wulai.

A. suishae Russell 1941

U. S. D. A. Misc. Publ. 424 : 203.

Host : *Quercus* sp.

Locality record : Erhshui.

Family CEROCOCCIDAE

Genus ***Cerococcus*** Comstock 1882

For U. S. D. A. Corn. Agr. Rept. 1881—1882 : 213 ; Type : *Cerococcus quercus* Comstock 1882.

Syn. : *Solenococcus* Cockerell 1889, *Solenophora* Maskell 1890, *Ceriococcus* Mahdihassan 1933, *Antecerococcus* Green 1901.

C. ficoides Green 1899

Ent. Mon. Mag. 2, 10 : 225 ; Ferris 1921 Bull. Ent. Res. 12 : 212 ; Takahashi 1928 Phil. J. Sci. 36 : 339.

Hosts : *Camellia sinensis, Ficus, Gardenia florida, Mallotus japonicus.*

Locality record : Taipei, Pingtung.

C. ornatus Green 1909

Coccidae Ceylon : 306, pl. 115.

Host : *Psychotria* sp.

Locality record : Shihlin.

Family COCCIDAE

Genus ***Ceroplastes*** Gray 1828

Spidilegia Zoologica : 7, pl. 3, figs. 6—7 ; Green 1904 Coccidae Ceylon : 268. Type : *Coccus(Ceroplastes)janeirensis* Gray 1828.

C. ceriferens (Anderson 1791)

Mon. Cocc. *Coccus ceriferi* ; Shiraki 1913 Agr. Expt. Sta. Formosa Spec. Rept. 8 : 83, *Ceroplastes* ; Maki 1916 Rept. Stud. Mulberry Ins. : 50 ; Takahashi 1928 Philip. J. Sci. 36 : 345 ; 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 68.

Syn. : *Ceroplastes chiliensis* Gray 1830, *C. australiae* Walker 1852, *Gascardia cerifera* (Anderson) De Lotto 1965.

Hosts : *Artemisia capillaris, Camellia chinensis, Citrus* spp., *Ficus retusa, Ixora chinensis, Mangifera indica, Melastoma candidum, Morus alba, Persea gratissima, Polygonum chinensis, Pometia pinnata, Pygeum preslii, Rhodomyrtus tomentosa.*

Locality record : Taipei, Tanshui, Yangmingshan, Hsinchu, Chiayi, Kenting, Lanhsu.

C. floridensis Comstock 1881

U. S. D. A. Rept. 1880 : 331; Takahashi 1928 Philip. J. Sci. 36 : 345 ; 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 67.

Hosts : *Artocarpus* sp., *Calophyllum inophyllum, Camellia sinensis, Carissa carandas, Citrus* spp., ***Diospyros discolor,*** *Eriobotrya japonica, Gardenis florida, Machilus* sp., *Maesa sinensis, Mangifera indica, Poncirus trifoliata, Psidium guyava. Psychotria elliptica, Rhodomyrtus tomentosa, Schima confertiflora, Ternstroemia japonica.*

Locality record : Ilan, Taipei, Yuanshan, Shihlin, Hsinpu, Puli, Chiayi, Kenting.

C. rubens Maskell 1892

Trans. N. Z. Inst. 25 : 214 ; Takahashi 1928 Philip. J. Sci. 36 : 345 ; 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 67.

Syn. : *Ceroplastes myricae* Green 1900 nec Linnaeus.

Hosts : *Calophyllum inophyllum, Cinnamomum zeylanicum, Citrus* spp., *Eugenia jambos, Euphoria longana, Garcinia spicata, Mangifera indica. Myristica heterophylla, Palaquium formosanum, Persea gratissima.*

Locality record : Taipei, Haintien, Hsinpu, Changhwa, Yuechih, Shuishe, Erhshui, Chiayi, Pingtung, Kenting.

Genus ***Ceroplastodes*** Cockerell 1893

Ent. 26 : 350 : Type : *Fairmairia nivea* Cockerell 1893.

C. chiton Green 1909

Coccidae Ceylon : 287, pl. 109 ; Takahashi 1928 Philip. J. Sci. 36 : 345 ; 1929 Dept. Arg. Gov't. Res. Inst. Formosa Rept. 40 : 68.

Host : *Ficus retusa.*

Locality record : Taipei, Keelung, Yuanshan, Tanshui.

Genus ***Coccus*** Linnaeus 1758

Syst. Nat. ed. 10, 1 : 455—457. Type : *Coccus hesperidum* Linnaeus 1758.

Syn. *Calypticus* Costa 1835, *Calymnatus*

Costa 1840. *Lecanium* Burmeister 1835.

C. acuminatus (Signoret 1873)

Ann. Soc. Ent. France 5, 3 : 397, *Lecanium acuminatum* ; Takahashi 1928 Philip. J. Sci. 36 : 341, *Coccus acuminatus* ; 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 52 ; 1959 Kontyu 27, Esaki Mem. Issue : 75, *Platycoccus*.

Syn. : *Platycoccus acuminatus* (Takahashi 1959) . *Habibius acuminatus* Ezzat and Hussein 1967, *Kilifia acuminatus* (De Lotto) 1965

Hosts : *Gardenia florida*, *Ardisis* (*Bladhia*) , *Psychotria serpens*.

Locality record : Shinlin, Kuantzuling.

C. acutissimus (Green 1896)

Ind. Mus. Notes 4 : 10, *Lecanium acutissimum* ; Takahashi 1928 Trans. Nat. Hist. Soc. Formosa 18 : 259, *Coccus acutissimus* ; 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 53.

Hosts : *Artocarpus integrifolia*, *Euphoria longana*, *Eugenia jambos*, *Michelia longifolia*, *M.* sp.

Locality record : Erhshui, Shuishe, Yuechih, Puli, Chiayi, Kueitzuchiao, Wushe.

C. bicurciatus (Green 1904)

Coccidae Ceylon : 214. *Lecanium* ; Takahashi 1928 Philip. J. Sci. 36 : 341, *Coccus* ; 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 53.

Host : *Murraya exotica*.

Locality record : Taipei.

C. caudaus (Green 1896)

Ind. Mus. Notes 4 : 10, *Lecanium* ; 1904 Coccidae Ceylon : 223 ; Takahashi 1928 Philip. J. Sci. 36 : 341, *Coccus* ; 1929 Dept. Agr. Gov't. Res. Formosa Rept. 40 ; 53.

Host : unknown.

Locality record : Fengyuan.

C. elongatus (Signoret 1873)

Ann. Soc. Ent. France 5, 3 : 404, *Lecanium elongatum* ; Takahashi 1928 Philip. J. Sci. 36 : 342, *Coccus* ; 1929 Dept, Agr. Gov't. Res. Inst. Formosa Rept. 40 : 52 ; Shiraki 1913 Agr. Expt. Sta. Formosa Spec. Rept. 8 : 73, *Lecanium longulum* ; Takahashi 1955 Trans. Shikoku Ent. Soc. 4 : 69, *C. celticum* Kuwana.

Syn. : *Lecanium acaciae* Newstead 1917, *Lecanium longulum* Douglas, *L. kraunhiarum* Lindinger 1928, *L. vistariae* Brain 1920.

Hosts : *Acacia confusa*, *Anona montana*, *A. squamosa*, *Areca catechu*, *Calliandra haematocephala*, *Calophyllum inophyllum*, *Casuarina equisetifolia*, *Citrus* spp., *Codiaeum variegatum*, *Derris laxiflora*, *Erythroxylum coca.* var. *spruceanum*, *Ficus retusa*, *Goniothalamus longifolia*, *Hibiscus rosasinensis*,*Milletia nitida Morus alba*, *Myrica rubra*, *Litchi chinensis*, *Osmanthus fragrans*, *Pitihecolobium dulce*, *Pometia pinnata*, *Rhus* sp., *Vitis vinifera*.

Locality record : Taipei, Yuanshan, Shihlin, Miaoli, Tuniu, Puli, Changhua, Chiayi, Pingtung. Fangliao, Oulaunpi, Kenting, Hualien, Yuli, Taitung, Lanshu.

C. hesperidum Linnaeus 1758

Syst. Nat. ed. 10 : 455 ; Takahashi 1928 Philip. J. Sci. 36 : 341 ; 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 50.

Syn. : *Lecanium signiferum* Green 1904, *L. punctuliferum* Green 1904, *Coccus mauritiensis* Mamet 1936.

Hosts : *Agaue rigida*, *A.* sp., *Areca oleracea*, *Bauhinia alba*, *Callicarpa formosana*, *Calophyllum inophyllum*, *Camellia japonica*, *Carica papaya*, *Citrus* sp., *Cocos nucifera*, *Ehretia* sp., *Eriobotrya japonica*, *Euphoria longana*, *Gardenia florida*, *Glohidon puberum*, *G.* sp., *Mallotus philippinesis*, *Mangifera indica*,

Michelia alba, M. longiforlia, Milletia nitida, Rhodea japonica, Rhus verniciflura, Terminabia catappa, Terminalia chebula.

Locality record : Taipei, Keelung, Hsintien, Ilan, Shihting, Sanhsia, Pingting, Erhshui, Yuechih, Puli, Changhua, Chiayi, Tainan, Fengshan, Kenting,

C. iceryi (Guerin-Meneville 1862)

Le Pou a Poche Blanche Berg, Soc. d' Acclim 9 : 939, *Pulvinaria* ; Takahashi 1932 J. Soc. Trop. Agr. Formosa 4 : 45, *Coccus takanoi.*

Syn. : *Pulvinaria elongata* Newstead 1917, *C. takanoi* Takahashi 1932.

Host : *Saccharum officinarum.*

Locality record : Hsinhua

C. mangiferae (Green 1889)

Ent. Mon. Mag. 25 : 249, *Lecanium* ; Takahashi 1928 Philip. J. Sci. 36 : 341 ; *Coccus* ; 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 52.

Syn. : *Lecanium wardi* Newstead 1917.

Hosts : *Citrus* spp. *Mangifera indica, Palaquium formosanum, Psychotria elyptica.*

Locality record : Taipei, Chiayi.

C. scolopiae Takahashi 1933

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 60 : 35, figs.

Host : *Scolopia oldhamii.*

Locality record : Ouluanpi

C. viridis (Green 1889)

Ent. Mon. Mag. 25 : 248, *Lecanium viride* ; Takahashi 1928 Philip. J. Sci. 36 : 341, *Coccus* ; 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 51.

Syn. : *Lecanium viride* var. *africanum* Newstead 1898.

Hosts : *Achros sapota, Aegle marmelos, Carissa carandas, Citrus* spp., *Clausena lunulata, Coffea arabica, Gardenia florida, Genipa americana, Heritiera littoralis, Ixora chinensis, Plumeria acutifolia, Psidium guyava.*

Locality record : Taipei, Keelung, Changhua, Yuechih, Erhshui, Chiayi, Fengshan, Pingtung.

Genus ***Eriochiton*** Maskell 1887

Trans. N. Z. Inst. 19 : 46. Type : *Eriochiton hispidum* Maskell 1887.

E. formosae Takahashi 1929

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 64.

Host : *Gloichidion* sp.

Localiy record : Taitung.

E. theae Green 1900

Ind. Mus. Notes 5 : 10.

Host : *Camellia chinensis.*

Locality record : Pingchien

Genus ***Eucalymnatus*** Cockerell 1901

Can. Ent. 33 : 57. Type : *Lecanium tessellalum* Signotet 1873.

E. tessellatus (Signoret 1873)

Ann. Soc. Ent. France 5, 3 : 401, *Lecanium tessellatum* ; 1928 Takahashi Philip. J. Sci. 36 : 343, *Eucalymnatus tessellatus* ; 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 56.

Syn. : *Lecanium perforatum* Newstead 1902, *L. subtessellatum* Green 1904.

Hosts : *Aglaia formosana, Calophyllum inophyllum, Cinnamomum zeylanicum, Cocos nucifera, Euphoria longana, Ficus elastica, Heritiera littoralis, Machilus* sp., *Mangifera indica, Palaquium formosana, Psidium guyava.*

Locality record : Taipei, Shihlin, Taichung, Erhshui, Shuishe, Changhua, Chiayi, Chuchi, Hsinhua, Fengshan, Kenting.

Genus ***Inglisia*** Maskell 1897

Trans. N. Z. Inst. 11 : 213. Type : *Inglisia patella* Maskell 1897.

I. formosana Takahashi 1930

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 48 : 34.

Host : *Pirus serotina.*

Locality record : Shihlin.

Genus ***Lecanopsis*** Targioni-Tozzetti 1868

Atti. Soc. Ital. Sci. Nat. 11 : 729. Type : *Lecanopsis rhyzophila* Targioni-Tozzetti 1868.

L. sacchari Takahashi 1928

Philip. J. Sci. 36 : 345 ; 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 67.

Hosts : *Miscanthus* sp., *Saccharum officinarum.*

Locality record : Taichung.

Genus ***Neoplatylecanium*** Takahashi 1929

Dept. Agr. Govt. Res. Inst. Formosa Rept. 40 : 53. Type : *Neoplatylecanium cinnamomi* Takahashi 1929.

N. cinnamomi Takahashi 1929

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 54.

Host : *Cinnamomum* sp.

Locality record : Kenting.

Genus ***Paracardicoccus*** Takahashi 1935

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 66 : 6. Type : *Paracardicoccus actinodaphnis* Takahashi 1935.

P. actinodaphnis Takahashi 1935

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 66 : 6.

Host : *Actinodaphne mushaensis.*

Locality record : Suo.

Genus ***Paralecanium*** Cockerell 1899

Industrialist 25 : 227. Type : *Lecanium frenchii* Maskell 1891.

P. expansum (Green 1896)

Ind. Mus. Notes 4 : 1 ; Coccidae Ceylon : 235, *Lecanium* ; Takahashi 1928 Philip. J. Sci. 36 : 343, *Paraleccnium* ; 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 57.

Hosts : *Ficus retusa, Machilus* sp., *Myrica rubra.*

Locality record : Taipei, Shihlin.

P. machili Takahashi 1933

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 60 : 37.

Hosts : *Machilus* sp., *Cinnamomum* sp.

Locality record : Kenting.

Genus ***Protopulvinaria*** Cockerell 1894

J. Trinidad Nat. Club 1 : 309. Type : *Pulvinaria (Protopulvinaria) pyriformis* Cockerell 1894.

P. pyiformis (Cockerell 1894)

J. Trinidad Nat. Club 1 : 309, *Pulvinaria (Protopulvinaria)* ; Takahashi 1933 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 60 : 39, *Protopulvinaria agalmae* ; 1955 Annot Zool. Jap. 28 : 36, fig. =*agalmae* Takahashi 1933.

Hosts : *Agalmae lutehnense, Elaeocarpus elliptica.*

Locality record : Taipei, Hsintien.

Genus ***Pulvinaria*** Targioni-Tozzetti 1867

R. Acad. dei Georg Atti(N. S.)13 : 146 ; Steinweden 1946 Microentomology 11 : 1—3 ; Takahashi 1955 Kontyu 23 : 148—154. Type : *Coccus vitis* Linnaeus 1758

P. durantae Takahashi 1931

Trans. N. H. Soc. Formosa 21 : 1.

Host : *Duranta repens.*

Locality record : Taipei, Chiayi.

P. maxima Green 1904

Ent. Mon. Mag. 40 : 205.

Syn. : *P. thespesiae* Green 1909.

Hosts : *Boehmeria* sp., *Glochidin* sp, *Morus* sp.

Locality record : Hsinchu, Tungshih, Kenting, Taitung.

P. neocellulosa Takahashi 1940

Mushi 13 : 24.

Hosts : *Evodia merrillis, Murraya*

exotica .

Locality record : Taipei.

P. polygonata Cockerell 1906

Proc. Davenport Acad. Sci. 10 : 131 ; Maki 1915 Foret Expt. Sta. Formosa Rept. 1 : 24, *Pulvinaria aurantii* Maki nec Cockerell, Nitobe 1916 Rept. Stud. Citrus Insects Formosa 44, 51, *Orthezia insignis* Shiraki nec Douglas ; Shiraki 1913 Agr. Expt. Stat. Formosa Spec. Rept. 8 : 104 ; Takahashi 1928 Philip. J. Sci. 36 : 344 ; 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 61.

Hosts : *Citrus* spp., *Murraya exotica.*

Locality record : Taipei, Hsinchung, Hsinchu, Chiayi, Pingtung, Taitung.

P. psidii Maskell 1892

Trans. N. Z. Inst. 25 : 223 ; Takahashi 1928 Philip. J. Sci. 36 : 334 ; 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 6 ; Steinweden 1946 Microentomology 11 : 11, 26, fig. 11.

Syn. : *Pulvinaria cupaniae* Cockerell 1893, *P. ficus* Hempel 1900.

Hosts : *Artocarpus integrifolia, Chrysophyllum cainito, Citrus* spp., *Coffea arabica, Euphoria longana, Gardenia florida, Mangifera indica, Psidium guyava, Psychotria elliptica.*

Locality record : Taipei, Peitau, Chiayi.

P. taiwana Takahashi 1929

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 61.

Host : *Mangifera indica.*

Locality record : Chiayi.

Genus ***Saissetia*** Deplanche 1859

Soc. Linn. de Normandie Bull. 4 : 203—207. Type : *Saissetia coffeae* Deplanche 1859=*Lecanium coffeae* Walker 1852.

S. armata Takahashi 1930

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 48 : 33.

Hosts : *Glochidion dasyphyllum, Eugenia jambos.*

Locality record : Kenting.

S. bobuae Takahashi 1935

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 66 : 8.

Host : *Bobua (Symplocos) arisanensis.*

Locality record : Suo, Alishan.

S. formicarii (Green 1896)

Ind. Mus. Not 4 : 1, *Lecanium* ; Takahashi 1928 Philip. J. Sci. 36 : 343, *Saissetia* ; 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 58.

Hosts : *Aegle sepiaria, Aglia odorata, Ardisia sieboldii, Areca oleracea, Artocarpus integrifolia, Bischoffia javanica, Callicarpa formosana, Camellia chinensis, C. japonica, Cinnomomum camphor, C. c. nominale, C. zeylanicum, Disopyros raki, D. discolor, Eucalyptus* sp., *Eugenia javanica, Evodia triphylla, Ficus leucantatoma, F. vasculosa, F. wightiana, F.* sp., *Garcinia spicata, Gardenia florida, Gordonia axillaris, Grevillea robusta, Kentia macarthurii, Lagerstroemia flosreginae, Lithocarpus, Machilus* sp., *Mangifera indica, Michelia alba, M.* sp. *Myristica heterophylla, Olea europa, Palaqium formosanum, Persea gratissima, Prunus* sp., *Psidium guyava, Rhus verniciflua, Salix* sp., *Sapium sebiferum, Scheffera octophylla. Schima confertiflora.*

Locality record : Taipei, Hsintien, Shihlin, Yuanshan, Shihtin, Hsinchu, Changhua, Yuechih, Shuishe, Puli, Chushan, Chiayi, Kuantzuling, Kenting.

S. hemisphaerica (Targioni-Tozzetti 1867)

Studi sulle Coccinigli : 27, *Lecanium hemispaeticum* ; Shiraki 1913 Agr . Expt. Stat. Formosa Rept. Spec. 8 : 8 5 ; Maki

1915 Forest Expt. Sta. Spec. Rept. 1 : 27 ; Takahashi 1928 Philip. J. Sci. 36 : 342, *Saissetia hemisphaerica* ; 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 59.

Syn. : *Saissetia coffeae* Signoret 1873.

Hosts : *Adiantum* sp., *Anona* sp., *Ardisia crispa*, *A. quinquegona*, *Bischoffia javanica*, *Calanthe* sp., *Camellia chinensis*. *Carrissa carandas*, *Chrysophyllum cainito*, *Cinchona* sp., *Citrus* spp., *Coffea arabica*, *Cunninghamia lanceolata*, *Eugenia uniflora*, *Ficus wightiana*, *Cucurbita moschata*, *Cycas revoluta*, *Diospyros discolor*, *Garcinia spicata*, *Gardenia florida*, *Ixoa chinensis*, *Lagerstroemia indica*, *Machilus* sp., *Mangifera indica*, *Osmanthus fragrans*, *Plumeria acutifolia*, *Psydium guyava*, *Psychotria elliptica*, *Rhus verniciflua*, *R.* sp., *Tabernaemontana* sp.

Locality record : Ilan, Taipei, Tanshui, Hsintien, Wulai, Pingchien, Changhua, Shuishe, Puli, Chushan, Chiayi, Chuchi, Fenchifu, Alishan, Kuantzuling, Hsinhua, Pingtung, Henchun, Kenting, Ouluanpi, Taitung, Chihpen, Lanhsu.

S. nigra (Niether 1861)

Enemies of Coffee Tree ; 9. *Lecanium nigrum* ; Takahashi 1923 Philip. J. Sci. 36 : 342, *Saissetia nigra* ; 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 57.

Hosts : *Ardisia quinquegona*, *Areca catechu*, *Artemisia capillaris*, *Bischoffia javanica*, *Calophyllum inophyllum*, *Canna indica*, *Chrysophllum cainito*, *Citrus* spp., *Codiaeum variegatum*, *Eugenia javanica*, *Ficus elastica*, *F. carica*, *F. gibbosa*, *F. retusa*, *F.* sp., *F. wightiana*, *Gossypium herbaceum*, *Glochidion* sp, *Morus alba*, *Musa sapientum*, *Plumeria aculifolia*, *Psidium guyava*, *Pirus* sp., *Salix warburgii*, *Sapium sebiferum*, *Terminalia catappa*.

Locality record : Taipei, Tanshui, Shihlin, Ilan, Changhua, Yuanlin, Erhshui, Chushan, Tuniu, Puli, Chiayi, Tainan, Kaohsiung, Pingtung, Ouluanpi, Hualien, Taitung, Lanhsu.

S. oleae (Bernard 1782)

Mem. d. Hist. Nat. Acad. : 108, *Chermes* : Takahashi 1928 Philip. J. Sci. 36 : 343, *Saissetia*, 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 58.

Hosts : *Callophyllum inophyllum*, *Euphoria longana*, *Gardenia florida*, *Gossypium herbaceum*, *Nerium odorum*, *Tectona grandis*, *Terminalia catappa*.

Locality record : Taipei, Changhua, Puli, Chiayi, Kenting.

Genus ***Vinsonia*** Signoret 1872

Ann. Soc. Ent. France 5, 2 : 33. Type : *Vinsonia pulchella* Signoret 1872= *Coccus stellifera* Westwood 1871.

V. stellifera (Westwood 1871)

Proc. Ent. Soc. London 3 ; 3, *Coccus* ; Takahashi 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 69.

Hosts : *Garcinia spicata*, *Mangifera indica*.

Locality record : Kenting.

Family DIASPIDIDAE

Tribe Leucaspidini

Genus ***Leucaspis*** Targioni-Tozzetti 1868

Soc. Ital. Sci. Nat. Atti. 11 : 41 ; Takagi 1969 Ins. Mats. 32 : 25. Type : *Leucaspis canidia* Targioni-Tozzetti 1868=*Coccus pini* Hartig 1839.

Syn. : *Actanaspis* Leonard 1906. *Anamaspis* Leonard 1906, *Euleucaspis* Lindin-

ger 1905, *Leucodiaspis* Signoret 1869, *Maniaspis* Borchsenius 1969, *Pusillaspis* Lindinger 1940, *Rhopaloaspis* De Guercio 1902, *Salicicola* Lindinger 1905, *Sutruraspis* Lindinger 1905.

L. incisa Takagi 1969

Ins. Mats. 32 : 26.

Host : *Machilus japonica.*

Locality record : Yangmingshan.

L. machili Takagi 1969

Ins. Mats. 32 : 26.

Hosts : *Machilus japonica, M. kusanoi.*

Locality record : Yangmingshan, Chuchi, Kenting.

L. vitis (Takahashi 1935)

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 66 : 19, *Leucodiaspis.*

Host : *Vitis* sp.

Locality record : Kaohsiung.

Genus ***Lopholeucaspis*** Balachowsky 1953

Actual Sci. Industr. 1202 : 153. Type : *Leucaspis japonica* Cockerell 1897

L. japonica (Cockerell 1897)

Psyche 8 : 53, *Leucaspis* ; Kuwana 1923 Dobuts Zasshi 35 : 321, further description ; Takagi 1969 Ins. Mats. 32 : 31, *Lopholeucaspis* ; Takahashi 1934 Dept. Agr. Gov't. Res, Inst. Formosa Rept. 63 : 15, *Leucodiaspis hydrangeae* ; 1939 Mushi 12 : 89, *Leucaspis hydrangeae* ; Takagi 1970 Ins. Mats. 33 : 137.

Syn. : *Leucaspis japonica* var. *darwiensis* Green 1916, *Leucaspis hydrangeae* Takahashi 1934.

Hosts : *Eurya crenatifolia, Hydrangea integrifolia* (=*integra*) , *H.* sp., *Liquidamaba formosana, Pittosperm tolira, Rhododendrum* spp.,

Locality record : Taipei, Yunlin.

Genus ***Parlatoria*** Targioni 1868

Atti. Soc. Ital. Sci. Nat. 11 : 42 ; Mc Kenzie 1945 Microentomology 10 : 47—121 ; Takagi 1969 Ins. Mats. 32 : 31. Type : *Aspidiotus proteus* Curtis 1843.

Syn. : *Archangelskaia* Bodenheimer 1851, *Euparlatoria* Leonardi 1903, *Websteriella* Leonardi 1899, *Apteronidia* Leonardi 1900.

P. arengae Takagi 1969

Ins. Mats. 32 : 36.

Host : *Arenga engleri.*

Locality record : Taipei, Kenting.

P. camelliae Comstock 1883

2nd Rept. Dept. Ent. Cornell Univ. Agr. Expt. Sta. 2 : 114, *Parlatoria pergandii* var. *camelliae* ; Morrison 1939 U. S. D. A. Mis. Publ. 344 ; 8 ; Takagi 1969 Ins. Mats. 32 : 33.

Hosts : *Callophyllum inophyllum, Ficus cuspidatocaudata, Gordonia axillaris, Machilus kusanoi, Rhododendron ellipticum.*

Locality record : Taipei, Henchun, Kenting.

P. cinerea Hadden 1909

Can. Ent. 41 : 299 ; Takagi 1969 Ins. Mats. 32 : 38.

Syn. : *Parlatoria fluggeae* var. *braziliensis* de Costa Lima 1934, *Parlatoria pseuopyri* Kuwana and Muramatsu 1932

Host : *Citrus* sp.

Locality record : Shihlin, Chuchi.

P. crotonis Douglas 1887

Ent. Mon. Mag. 23 : 242, *Parlatoria proteus* var . *crotonis.*

Syn. : *Parlatoria greeni* Banks 1906.

Hosts : *Acer* sp., *Dendrobium moschatum, Illicium philippinese* (=*randaiense*)

Locality record : Taipei, Shihlin, Yangmingshan.

P. fluggeae Hall 1929

Bull. Ent. Res. 20 : 35 9 ; Takagi 1969 Ins. Mats. 32 : 39.

Host : *Beohmeria densiflora*.

Locality record : Kuantzuling.

P. lithocarpi Takahashi 1935

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 66 : 29, fig.

Host : *Lithecarpus* sp.

Locality record : Kaohsiung, Pingtung.

P. machili Takahashi 1931

Bull. Ent. Res. 22 : 218 ; McKenzie 1945 Microentomology 10 : 66 ; Takagi 1969 Ins. Mats. 32 : 37.

Host : *Machilus japonica*.

Locality record : Yangmingshan, Chuchi.

P. machilicola Takahashi 1933

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 60 : 52, figs.

Hosts : *Machilus kusanoi*, *Machilus* sp.

Locality record : Tungshih, Fenchifu, Kenting, Henchun.

P. mytilaspiformis Green 1899

Coccidae Ceylon 2 : 104, pl. 58.

Host : *Camellia* sp.

Locality record : Yuechih.

P. pergandei Comstock 1881

Rept. U. S. D. A. for 1880 : 327 ; Takahashi 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 77.

Syn. : *Parlatoria sinensis* Maskell 1897.

Hosts : *Camellia japonica*, *Citrus* spp., *Cymbidium sinensis*, *Eurya* sp., *Ficus foveolata*, *F. retusa*, *Osmanthus fragrans*, *Pandanus tectorius*, *Scolopia oldhami*.

Locality record : Taipei, Peitau, Taichung.

P. proteus (Curtis 1843)

Gard. Chron : 676, *Aspidiotus* ; Takahashi 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 78 ; Takagi 1969 Ins. Mats. 32 : 34.

Syn. : *Aspidiotus targionii* de Guercio 1894, *Diaspis parlatoris* Targioni-Tozzetti 1867, *Parlatoria orbicularis* Targioni-Tozzetti 1868.

Hosts : *Chrysalidocarpus lutescens*, *Citrus* spp., *Cymbidium sinensis*, *Monstera deliciosa*, *Mangifera indica*, *Osmanthus* sp., *Phalaenopsis amabilis*, *Vitis* sp.

Locality record : Taipei, Henchen.

P. virescens Maskell 1897

Trans. N. Z. Inst. 29 : 300, *Parlatoria proteus* var. *virescens*.

Host : A liliaceous plant.

Locality record : Taiwan.

P. zizyphi Lucas 1853

Bull. Soc. Ent. France 3 : 28 ; Shiraki 1913 Agr. Expt. Sta. Formosa Spec. Rept. 8 : 97 ; Maki 1915 Forest Expt. St. Formosa Spec. Rept. 1 : 26 ; Takahashi 1929 Dep. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 77 ; McKenzie 1945 Microentomology 10 : 76, fig. 53 ; Takagi 1969 Ins. Mats. 32 : 36.

Host : *Citrus* spp.

Locality record : Taipei, Shihlin, Wulai, Ilan, Chushan, Chiayi, Matou, Pingtung, Chaochow.

Genus ***Parlatoreopsis*** Lindinger 1912

Die Schildlause 14 : 191 ; Takagi 1969 Ins. Mats. 32 : 40. Type : *Chionaspis longispina* Newstead 1911.

Syn. : *Anatolaspis* Bodenheimer 1951.

P. chinensis (Marlatt 1908)

Wash. Tech. Ser. U. S. D. A. Ent. 16 : 30, *Parlatoria* ; Takagi 1969 Ins. Mats.

32 : 41, *Parlatoreopsis*.

Host : *Hibiscus tiliacens*

Locality record : Henchun.

Genus ***Neoparlatoria*** Takahashi 1931

J. Soc. Trop. Agr. Formosa 3 : 381 ; Takagi 1969 Ins. Mats. 32 : 43. Type : *Neoparlatoria formosana* Takahashi 1931

N. formosana Takahashi 1931

J. Soc. Trop. Agr. Formosa 3 : 382, fig.

Hosts : *Lithocarpus* spp., *Cyclobalanopsis glauca*.

Locality record : Taipei, Shihlin, Wulai, Kaohsiung, Taitung.

N. lithocarpi Takahashi 1934

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 63 : 28, fig, 1935 Dept. Agr. Gov'. Res. Inst. Formosa Rept. 66 : 31.

Host : *Lithocarpus uraiana* (*Passania uraiana*) .

Locality record : Hsintien, Yangmingshan.

N. lithocarpicola Takahashi 1931

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 63 : 30, figs.

Hosts : *Castanopsis* sp., *Lithocarpus uraiana*.

Locality record : Hsintien, Shuishe, Wulai, Tungshih.

N. maai Takagi 1969

Ins. Mats. 32 : 44.

Host : *Castanopsis* sp.

Locality record : Alishan.

N. miyamotoi Takagi 1969

Ins. Mats. 32 : 44.

Host : *Castanopsis kusanoi*.

Locality record : Fenchifu.

Genus ***Mixaspis*** Takahashi 1932

J. Soc. Trop. Agr. Formosa 4 : 26 ; Ferris 1937 Microentomology 2 : 104, 113 ; fig. 86 ; Takagi 1969 Ins. Mats. 32 : 48. Type : *Leucaspis bambusicola* Takahashi 1930.

M. bambusicola (Takahashi 1930)

Dept. Agr. Gov't, Res. Inst. Formosa Rept. 48 : 26, *Leucaspis* ; 1932 J. Soc. Trop. Agr. Formosa 4 : 46, *Mixaspis* ; Takagi 1969 Ins. Mats. 32 : 50.

Host : Bamboo.

Locality record : Yangmingshan, Erhshui.

Genus ***Silvestraspis*** Bellio 1929

Bull. Lab. Zool. Portici 22 : 159. Type : *Silvestraspis sinensis* Bellio 1929.

S. uberifera (Lindinger 1911)

Zeits f. Wiss. Insektenbiol 7 : 89 and 126, *Cryptoparlatorea* ; Takahashi 1947 Dept. Agr. Gov't. Res. Ins. Formosa Rept. 81 : 46, *Silvestraspis sinensis* ; Takagi 1969 Ins. mats, 32 : 47.

Syn. : *Silvestraspis sinensis* Bellio 1929.

Hosts : *Cinnamomum zeylanicum, Machilus kusanoi*.

Locality record : Kenting.

Tribe Rugaspidiotini

Genus ***Poliaspoides*** MacGillivray 1921

Coccidae : 309 ; Ferris 1937 Microentomology 3 : 17, 42, fig. 21 ; Takagi 1969 Ins. Mats. 32 : 58. Type : *Chionaspis simplex* Green 1905.

Syn. : *Natalaspis* MacGillivray 1921.

P. formosana (Takahashi 1930)

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 49 : 29, *Odonaspis simplex* Green var. *formosana* ; Takagi 1969 Ins, Mats. 32 : 58, *Poliaspoides*.

Syn. : *Chionaspis simplex* Green var. *mauritiensis* de Charm (vide Mamet 1946 Maurtitius Inst. Bull. 2 : 244)

Host : Bamboo.

Locality record : Yangmingshan.

Genus ***Smilacicola*** Takagi 1969

Ins. Mats. 32 : 55. Type : *Smilacicola apicalis* Takagi 1969

S. apicalis Takagi 1969

Ins. Mats. 32 : 55.

Host : *Smilax* sp.

Locality record : Kenting.

Tribe Odonaspidini

Genus ***Odonaspis*** Leonardi 1893

Rio par. Veg. 5 : 284 ; Takagi 1969 Ins. Mats. 32 : 60. Type : *Aspidiotus secretus* Cockerell 1896

Syn. : *Anoplaspis* Leonardi 1900, *Bakeraspis* Mac Gillivray 1921, *Berlesaspidiotus* Mac Gillivray 1921, *Dycryptaspis* Leonardi 1897, *Froggatiella* Leonardi 1900, *Spatheaspis* Leonardi 1898.

O. pencillata Green 1905

J. Bomb. Nat. Hist. Soc. 16 : 346 ; Takahashi 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 78 ; Takagi 1969 Ins. Mats. 32 : 62.

Syn. : *Aspidiotus inusitatus* Green 1896, *Forggatiella inusitata* Leonardi 1900

Hosts : *Bambusa stenostachya, Dendrocalamus latiflorus.*

Locality record : Taipei, Yuanshan, Yangmingshan, Henchun.

O. secreta (Cockerell 1890)

Psyche 7, suppl. 1 : 2, *Aspidiotus* ; Takahashi 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 78.

Syn. : *Odonaspis secreta* Green var. *greeni* Cockerell 1902.

Host : *Bambusa stenostachya.*

Locality record : Taipei.

Tribe Aspidiotini

Genus ***Aspidiotus*** Bouche 1833

Nat. Sch. und Nutzl. Gart. Ins. 52 ; Ferris 1937 Microentomology 2 : 62, fig. 41 ; Takagi 1969 Ins. Mats. 32 : 62. Type : *Aspidiotus nerii* Bouche=*A. (Dynaspidiotus) hederae* (Vallot) .

Syn. : *Cryptoaonidia* Leonardi 1899, *Cryptophyllaspis* Cockerell 1897, *Dynaspidiotus* Theim and Gerneck 1934, *Evaspidiotus* Leonardi 1898, *Phaulaspis* Leoarndi 1897, *Varicaspis* MacGillivray 1921.

A. cryptomeriae Kuwana 1902

Pap. Calif. Ac. 3 : 69 ; Ferris 1953 Microentomology 18 : 65, fig. 36 ; Takagi 1969 Ins. Mats. 32 : 64.

Host : *Cryptomeria japonica.*

Locality record : Yangmingshan, Fenchifu.

A. destructor Signoret 1869

Ann. Soc. Ent. France (Ser. 4) 9 : 120 ; Takahashi 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 79 ; Ferris 1941 Microentomology 6 : 51 ; Takagi 1969 Ins. Mats. 32 : 65.

Syn.: *Aspidiotus beilschmiediae* Takagi 1969, *A. cocotis* Newstead 1893, *A. fallax* Cockerell 1893, *A. transparens* Green 1890, *A. oppugnatus* Sivlestri 1914, *A. simillimus* var. *tranlucens* Cockerell 1903, *A. vastrix* Leroy 1896, *A. watanabei* Takagi 1969.

Hosts : *Anona squamosa, Achras zapota, Beilschmiedia erythrophloia, Camellia japonica, C. sinensis, Carica papaya, Cinnamomum* sp., *Citrus* spp., *Chrysalidocarpus lutescens, Cocos nucifera, Cycas revoluta, Cymbidium gyokuchin, Diospyros discolor, Ficus beecheyana, F.* sp., *Hibiscus roasesinensis, Ligustrum japonicum, Lonicera japonica.* var. *sempervil-*

losa, Maesa japonica, Mangifera indica, Michelia champaca, Morus sp., *Pandanus boninensis, P. tectorius, Psidium guajava, Psychotria rubra, Sapium sebiferum, Saccharrium offiainarum, Musa* sp., *Trachycarpus fortunei, Viburnum arboricolum.*

Locality record : Taipei, Taichung, Chiayi, Kuantzuling, Yunlin, Fenchifu, Kaohsiung, Pingtung, Penghu.

A. excisus Green 1896

Coccidae Ceylon : 53, pl. 10, figs. 7—9 ; Takahashi 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 79 ; Ferris 1941 Microentomology 6 : 53, fig 20 : Takagi 1969 Ins. Mats. 32 : 701.

Syn. : *Aspidiotus hoyae* Takagi 1969

Hosts : *Clerodendrun inerme, Elephantopus mollis, Glochidion konkongense, Hoya carnosa, Rhodendron* sp., *Rhus semialata, Urenlobata* sp., *Viburnum* sp.

Loclaity record : Hsintien, Peitau.

A. pothos Takagi 1969

Ins. Mats. 32 : 79.

Host : *Pothos seemanii.*

Locality record : Taipei.

Genus ***Taiwanaspidiotus*** Takagi 1969

Ins. Mats. 32 : 72. Type : *Aspidiotus shakunagi* Takahashi 1935.

T. shakunagi (Takahashi 1935)

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 66 : 32, *Aspidiotus.*

Host : *Rhododendron* sp.

Locality record : Chihpen, Alishan.

T. yiei Takagi 1969

Ins. Mats. 32 : 75.

Host : *Quercus* sp.

Locality record : Fenchifu.

Genus ***Hemiberlesia*** Cockerell 1891

Riv. Pat. Veget. 6 : 105, 107 ; Takagi 1969 Ins. Mats. 32 : 76. Type : *Aspidiotus rapax* Comstock 1881.

Syn. : *Aspidites* Berlese and Leonardi 1896, *Diaspidiotus* Berlese 1896, *Chemnaspis* MacGillivary 1921, *Forbesaspis* Mac Gillivray 1921, *Marlattaspis* MacGillivray 1921, *Quadraspidiotus* MacGillivray 1921, *Euraspidiotus* Thiem and Gerneck 1934, *Abgrallaspis* Balachowsky 1934, *Hemiberlesiana* Theim and Gerneck 1934, *Ephedraspis* Borchsenius 1949.

H. chipposanensis (Takahashi 1935)

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 66 : 33, *Aspidiotus.*

Host : *Rhododendron* sp.

Locality record : Chihpen.

H. cyanophylli (Signoret 1869)

Ann. Soc. Ent. France 9 (4) : 119, *Aspidiotus* ; Takahashi 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 79 ; Takagi 1969 Ins. Mats. 32 : 78, *Hemiberlesia.*

Hosts : *Camellia japonia, C. sinensis, Celtis sinensis, Cocos nucifera, Gardenia.* sp., *Maesa* sp., *Mangifera indica, Psychotria serpens.*

Locality record : Shuishe, Chiayi, Kuantzuling.

H. lataniae (Signoret 1869)

Ann. Soc. Ent. France 9 (4) : 124, *Aspidiotus* ; Takahashi 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 80 ; Takagi 1969 Ins. Mats. 32 : 78, *Hemiberlesia.*

Syn. : *Aspidiotus cydoniae* Comstock 1881, *A. c.* var. *tecta* Maskell 1897, *Aspidiotus punicae* Cockerell 1893, *Aspidiotus diffinis* var. *laterallis* Cockerell 1894, *A. (Hemiberlesia) crawii* Cockerell 1897, *A. (Diaspidiotus) greeni* Cockerell1897, *Aspidiotus implicatus* Maskell 1896.

Hosts : *Ardisia sieboldi, Cocos nucifera, Cycas revolata, Cymbidium sinese, Diospyros discolor, Garcinia spicata, Hibiscus rosa-sinensis, Juniperus* sp., *Listsea akoensis, Rhododendron* sp., *Ravaenala madagscariensis, Mangifera indica, Melastoma candidum, Morus* sp., *Psidium guajava, Saurania tristyla* var. *oldhamii.*

Locality record : Yuanshan, Yangmingshan, Kuantzuling, Kaohsiung, Henchun, Kenting, , Hualien.

H. pityophila Takagi 1969

Ins. Mats. 32 : 79.

Host : *Pinus* sp.

Locality record : Yangmingshan.

H. rapax (Comstock 1881)

Rept. U. S. D. A. for 1880 : 307, *Aspidiotus* ; Takagi 1969 Ins. Mats. 32 : 77, *Hemiberlesia.*

Syn. : *Aspidiotus camelliae* Boisduval 1869, *Aspidiotus lucumae* Cockerell 1899.

Hosts : *Actinidia arisanensis, Ilex* sp.,

Locality record : Fenchifu.

Genus ***Aonidiella*** Berlese and Leonardi 1895

Riv. Pat. Veget 4 : 77 ; McKenzie 1938 Microentomology 3 : 1—36 ; Takagi 1969 Ins. Mats. 32 : 81. Type : *Aspidiotus aurantii* Maskell 1879.

Syn. : *Heteraspis* Leonardi 1914.

A. aurantii (Maskell 1878)

Trans. N. Z. Inst. 11 : 199, *Aspidiotus*; Ferris 1921 Bull. Ent. Res. 12 : 219, *Chrysomphalus* ; Takahashi 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 80, *Chrysomphalus* ; Takagi 1969 Ins. Mats. 32 : 82, *Aonidiella.*

Syn. : *Aspidiotus citri* Comstock 1881, *A. coccineus* Gennadius 1881, *Aonidiella gennadii* Targioni 1881.

Hosts : *Ardisia japonica, Citrus* spp., *Heptapleurum octophyllum, Maesa tenera.*

Locality record : Taipei, Chiayi. Chuchi, Matou, Fengshan.

A. citrina (Coquillett 1891)

U. S. D. A. Div. Ent. Bull. 23 : 29, *Aspidiotus* ; Takagi 1969 Ins. Mats. 32 : 82.

Hosts : *Ardisia sieboldii, Citrus* spp., *Cleyera japonica* var. *morii, Livistona subglosa, Helicia formosana, Maesa tenera, Smilax* sp.

Locality record : Taipei, Yangmingshan, Kuantzuling, Fenchifu.

A. comperei McKenzie 1937

Univ. Calif. Publ. Ent. 6 : 327 ; Takagi 1970 Ins. Mats. 33 : 131.

Host : *Musa sapientum.*

Locality record : Taiwan.

A. inornata McKenzie 1938

Microentomology 3 : 10 ; Takahashi 1939 Mushi 12 : 88.

Syn. : *Chrysomphalus aurantii* Robinson nec Maskell 1917.

Hosts : *Carica papaya, Cycas* sp.

Locality record : Kuantzuling, Fengshan, Henchun.

A. messengeri McKenzie 1953

Bull. Calif. Dept. Agr. 42 : 35, fig.

Host : *Bladhia sieboldii.*

Locality record : Taiwan.

A. taxus Leonardi 1906

Redia 3 : 1 ; McKenzie 1938 Microentomology 3 : 15.

Host : *Podocarpus macrophylla.*

Locality record : Taiwan.

A. tsugae Takagi 1969

Ins. Mats. 32 : 84.

Host : *Tsuga chinensis* var. *formosana.*

Locality record : Tungpu.

Genus ***Chrysomphalus*** Ashmead 1880

Amer. Ent. 3 : 268 ; Ferris 1937 Microentomology 2 : 64, fig. 43 ; 105, 121, fig. 94 ; 1938 Atlas Scale Insects N. Amer. SII-198 ; McKenzie 1939 Microentomology 4 : 51 ; Takagi 1969 Ins. Mats. 32 : 85. Type : *Chrysomophalus ficus* Ashmead=*Coccus aonidum* Linnaeus 1758.

C. bifasciculatus Ferris 1938

Atlas Scale Insects N. Amer SII—199 ; Takagi 1969 Ins. Mats. 32 : 87.

Hosts : *Cycas* sp., *Dianellia ensifolia.*

Locality record : Taipei, Henchun.

C. dictyospermi (Morgan 1889)

Ent. Mon. Mag. 25 : 352, *Aspidiotus* ; Takahashi 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 82, *Chrysomphalus* ; Lindinger 1949 Entomology : 211, *dictyospermatis.*

Syn. : *Aspidiotus dictyospermi* var. *arecae* Newstead 1893, *Aspidiotus mangiferae* Cockerell 1893 ; *Aspidiotus dictyospermi* var. *jamaicensis* Cockerell 1893, *Chrysomphalus minor* Berese and Leonardi 1896, *Aspidiotus agrumincola* Gregaris 1915, *Chrysomphalus castigatus* Mamet 1936.

Hosts : *Citrus* spp., *Cycas revoluta.*

Locality record : Taipei, Pingtung.

C. ficus Ashmead 1880

Amer. Ent. 3 : 268 ; Ferris 1921 Bull. Ent. Res. 10 : 220, *aonidum* L ; Shiraki 1921 Agr. Expt. Stat. Spec. Rept. 8 : 93, *Aspidiotus ficus* ; Takahashi 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 81, *aonidum* L., Takagi 1969 Ins. Mats. 32 : 86, *Chrysomphalus ficus.*

Syn. : *Chrysomphalus aonidum* Linnaeus 1758.

Hosts : *Areca catecha, Artabotrys uncinatus, Buxus japonicus, Calophyllum inophyllum, Camellia chinensiss, C. japonica, Carina carandas, Cinnamomum camphor, Citrus* spp., *Cleryera japonica* var. *japonica, Cocos nucifera, Cycas revoluta, Evodia roxburzhiana, Ficus retusa, Garcinia spicata, Ligustrum japonicum, Machilus* sp., *Mahonia japonica, Musa sapientum, Myristica heterophylla, Osmanthus fragrans, Palaquium formosanum, Pandanus tectorius, Pinus* sp., *Podocarpus macrophyllus, Rosa* sp. *Thevetia* sp.

Locality record : Taipei, Shihlin, Hsintien, Chushan, Puli, Ehrshui, Chiayi, Hsinhua, Tainan, Pingtung, Henchun, Taitung, Ilan, Lotung, Yensuikong.

Genus ***Lindingaspis*** MacGillivray 1921

Coccidae : 388 and 422 ; McKenzie 1950 Microentomology 15 : 98 ; Takagi 1969 Ins. Mats. 32 : 87. Type : *Lindingaspis samoana* Lindinger 1911.

L. ferrisi McKenzie 1950.

Microentomology 15 : 100 ; Takagi 1969 Ins. Mats. 32 : 88.

Hosts : *Callophyllum inophyllum, Citrus* sp.

Locality record : Henchun.

L. rossi (Maskell 1890)

Trans. N. Z. Inst. 23 : 3, *Aspidiotus* ; Takahashi 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 81, *Chrysomphalus* ; Ferris 1938 Atlas Scale Insects N. Amer. SII—241, *Lindingaspis* ; McKenzie 1950 Microentomology 15 : 104, 119, fig. 57.

Hosts : *Bryophyllum calycinum, Calophyllum inophyllum, Kandelia rheedii* (=*candel*) , *Mangifera indica, Cocos nucifera, Diospyros eriomtha, Ficus pumila, Pyracantha koidzumi, Scolopia oldhamii, Vitis* sp.

Locality record : Taipei, Changhua,

Yuechih.

Genus ***Crassaspidiotus*** Takagi 1965

Ins. Mats. 32 : 89. Type : *Crassapidiotus takahashii* Takagi 1969.

C. takahashii Takagi 1969

Ins. Mats. 32 : 89.

Host : *Tsuga chinensis* var. *formosana*.

Locality record : Tungpu.

Genus ***Metaspidiotus*** Takagi 1957

Ins. Mats. 21 : 35 ; 1969 Ins. Mats. 32 : 91. Type : *Aspidiotus stauntoniae* Takahashi 1938.

M. machili (Takahashi 1931)

J. Soc. Trop. Agr. Formosa 3 : 384, *Aspidiotus* ; Takagi 1969 Ins. Mats. 32 : 92, *Metaspidiotus*.

Hosts : *Machilus* sp., *Schefffera octophylla*.

Locality record : Yangmingshan.

M. stauntoniae (Takahashi 1933)

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 60 : 54, *Aspidiotus* ; Takagi 1957 Ins. Mats. 21 : 36 , *Metaspidiotus* ; 1969 Ins. Mats. 32 : 91.

Hosts : *Eurya* sp., *Ficus foveolata*, *F.* sp., *Hibiscus tiliacens*, *Maesa* sp., *Scolopia oldhamii*, *Stauntonia hexaphylla*, *Vitis* sp.

Locality record : Hsintien, Henchun.

Genus ***Selanomphalus*** Mamet 1958

Ann. Mus. Congo Belge (N. S,) Sci. Zool. 4 : 426. Type : *Aspidiotus euryae* Takahashi 1931.

S. euryae (Takahashi 1931)

J. Soc. Trop. Agr. Formosa 3 : 383, *Aspidiotus* ; Takagi 1969 Ins. Mats. 32 : 95, *Selanomphalus*.

Hosts : *Camellia sinensis*, *Eurya* sp., *Gordonia axillaris*, *Loranthus parasiticus*.

Locality record : Taipingshan, Shuishe, Yushan, Yangmingshan.

Genus ***Diaonidia*** Takahashi 1956

Ins. Mats. 20 : 25. Type : *Aonidia yabunikkei* Kuwana 1933.

D. cinnamomi (Takahashi 1930)

Trans. N. H. Soc. Formosa 26 : 82, *Gymnaspis* ; Takagi 1969 Ins. Mats. 32 : 96.

Host : *Machilus* sp.

Locality record : Kenting.

Genus ***Pseudanonidia*** Cockerell 1897

Tech. Ser. U. S. D. A. Ent. 6 : 14 ; Ferris 1938 Atlas Scale Insects N. Amer. SII—252 ; 1937 Microentomology II : 55, 91, fig. 70. Type : *Aspidiotus duplex* Cockerell 1896.

Syn. : *Pseudaonidiella* MacGillivray 1921.

P. duplex (Cockerell 1896)

Psyche 7, suppl. 1 : 20, *Aspidiotus* ; Ferris 1921 Bull. Ent. Res. 12 : 220 ; Takahashi 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 79, *Pseudaonidia*.

Syn. : *Aspidiotus theae* Maskell nec Green 1890, *A. theae* var. *rhododendri* Green 1900, *Pseudaonidia rhododendri thearum* Cockerell 1903.

Host : *Michelia fuscata*.

Locality record : Taipei.

P. trilobitiformis (Green 1896)

Ind. Mus. Notes 4 : 4, *Aspidiotus* ; Takahashi 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 78, *Pseudaonidia*; Takagi 1969 Ins. Mats. 32 : 98.

Syn. : *Aspidiotus darutyi* de Charmoy 1898.

Hosts : *Artocarpus integrifolia*, *Calophyllum inophyllum*, *Camellia japonica*, *Citrus* spp., *Cudrana cochinchinensis*,

Diospyros eriantha, *Eurya japonica*, *Ficus elastica*, *F. pumila*, *F. retusa*, *F. swinhoei*, *Machilus* sp., *Murraya exotica*, *Quercus* sp., *Scolopia oldhamii*, *Trachdospermum foetidum*.

Locality record : Taipei, Yangmingshan, Keelung, Ilan, Chiayi, Chuchi, Kenting, Ouluanpi, Penghu.

Genus ***Aspidiella*** Leonardi 1898

Rev. Pat. Veget. 210 : 220 ; Ferris 1946 Microentomology 11 : 61, fig. 40 ; Ferris 1938 Atlas Scale Insect N. Amer. SII—187. Type : *Aspidiotus sacchari* Cockerell 1893.

Syn. : *Monaonidella* MacGillivray 1921

A. phragmitis (Takahashi 1931)

Trans. N. H. Soc. Formosa 21 : 4, *Aspidiotus* ; 1933 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 60 : 54 ; Takagi 1958 Inst. Mats. 21 : 122, *Aspidiella*.

Syn. : *Aspidiotus miscanthi* Kuwana 1931.

Hosts : *Phragmitis* sp., *Thysanolaea maxima*.

Locality record : Taipei, Suo.

Genus ***Clavaspidiotus*** Takagi and Kawai 1966

Ins. Mats. 28 : 115. Type : *Clavaspidiotus abietis* Takagi and Kawai 1966.

C. tabayanus (Cockerell 1905)

Proc. Davenport Acad. Sc. Iowa 10 : 133, *Aspidiotus* ; Takahashi 1933 Dept. Agr. Gov't. Res. Inst. Formosa, Rept. 60 : 56, *Chrysomphalus* ; Takagi and Kawai 1966 Ins. Mats. 28 : 115 *Clavaspidiotus*.

Host : *Pyracantha koidzumi*.

Locality record : Taitung.

Genus ***Melanaspis*** Cockerell 1897

Leonardi : Riv. di Patol Veg. 5 : 375 ; Ferris 1941 Atlas Scale Ins. N. Amer. SII —328, SIII—347.

Syn. : *Crenulaspidotus* MacGillivray 1921, *Greenoidea* MacGillivray 1921, *Pelomphala* MacGillivray 1921.

M. smilacis (Comstock 1883)

2nd Rep. Dept. of Ent. Corn. Univ. : 69, *Aspidiotus smilacis* ; Ferris 1941 Atlas Scale Ins. N. Amer. SIII—366.

Syn. : *Aonidiella bromeliae* Leonardi 1899, *Aspidiotus* (*Aonidiella*) *multiclavata* Green and Laing 1923, *Pseudischnaspis anassarum* Lindinger 1923, *Aspidiotus* (*Targionia*) *marlatti* Parrot 1899.

Host : *Ananas comosus*.

Locality record : Taiwan

Genus ***Aonidia*** Targioni-Tozzetti 1868

Soc. Ital. Sci. Atti. 11 : 42. Type : *Aonidia purpurea* Targioni-Tozzetti 1868.

A. rarasana Takahashi 1934

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 63 : 31, fig.

Host : unknown.

Locality record : Wulai.

A. tentaculata Green var. ***formosana*** Takahashi 1935

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 66 : 35, fig.

Host : *Cinnamomum* sp.

Locality record : Wushe.

Genus ***Decoraspis*** Ferris 1955

Microentomology 20 : 31. Type : *Decoraspis fimbrata* Ferris 1955=*Aonidia cornigera* Green 1896.

Syn. : *Greeniella* Cockerell 1897

D. lahoarei (Takahashi 1931)

Bull. Ent. Res. 22 : 219, fig. 9, *Aonidia* ; 1935 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 66 : 33, fig. var. *formosana*.

Host : *Eugenia* sp.

Locality record : Yangminshan, Shuishe.

Genus ***Pygalataspis*** Ferris 1921

Bull. Ent. Res. 12 : 218 ; 1955 Microentomology 20 : 30 ; Takagi 1969 Ins. Mats. 32 : 108. Type : *Pygalataspis miscanthi*

Ferris 1921.

P. miscanthi Ferris 1921

Bull. Ent. Res. 12 : 218 ; Takahashi 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 74 ; Takagi 1969 Ins. Mats. 32 : 110.

Host : *Miscanthis sinensis.*

Locality record : Kuantzuling.

Genus ***Thysanaspis*** Ferris 1955

Microentomology 20 : 30 Type : *Thysanaspis acalyptus* Ferris 1955.

T. perkinsi Takagi 1969.

Ins. Mats. 32 : 108.

Host : *Litsea akoensis.*

Locality record : Kuantzuling.

Genus ***Chortinaspis*** Ferris 1938

Atlas Scale Insects N. Amer. SII—194 ; 1955 Microentomology 11 : 37. Type : *Aspidiotus chortinus* Ferris 1921.

C. bilobis (Maskell 1898)

Trans. N. Z. Inst. 30 : 225, *Aspidiotus* ; Ferris 1936 Microentomology 1 : 9 ; 1955 Microentomology 11 : 38, fig. 16, *Chortinaspis.*

Host : Grass.

Locality record : Taiwan.

Genus ***Lepidosaphes*** Shimer 1968

Trans. Amer. Ent. Soc. 1 : 372—373 ; Takagi 1970 Ins. Mats. 33 : 1. Type : *Coccus conchiformis* Gmelin 1789=*Coccus ulmi* Linnaeus 1758.

Syn. : *Mytilaspis* Signoret 1868, *Mytilococcus* Amerling. 1858, *Cepalaspis* Mac Gillivray 1921 , *Cornuaspis* Mac Gillivray 1921.

L. beckii (Newman 1869)

Ent. 4 : 217, *Coccus* ; Shiraki 1913 Agr. Expt. Sta. Formosa Spec. Rept. 8 : 100, *Lepidosaphes citricola* ; Takahashi 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 ; 75 *Lepidosaphes* ; Takagi 1970 Ins. Mats. 33 : 8.

Syn, : *Lepidosaphes citricola* Shiraki 1913.

Hosts : *Citrus* spp., *Codiaeum variegatum, Murraya exotica.*

Locality record : Taipei, Keelung, Taitung, Pingtung, Hsinhua.

L. chinensis Chamblin 1925.

Pan-Pacific Ent. 2 : 85, figs.

Host : unknown.

Locality record : Erhshui.

L. cycadicola Kuwana 1931

Dobuts Zasshi 43 : 658, figs. ; Takahashi 1940 Mushi 13 : 26 ; Takagi 1970 Ins. Mats. 33 : 9.

Host : *Cycas revoluta.*

Locality record : Tainan, Pingtung, Henchun, Kenting.

L. garanbiensis Takahashi 1933

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 60 : 47, fig.

Host : unknown.

Locality record : Ouluanpi.

L. glancae Takahashi 1932

J. Soc. Trop Agr. Formosa 4 : 47.

Host : *Cyclobalanopsis glauca.*

Locality record : Shihlin, Wulai.

L. gloveri (Packard 1869)

Guide to study insects 1 : 527, *Coccus* ; Shiraki 1913 Agr. Expt. Stat. Formosa Spec. Rept. 8 : 99, *Lepidosaphes* ; Takahashi 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 75 ; Takagi 1970 Ins. Mats. 33 : 7.

Hosts : *Carissa carandas, Citrus* spp.

Locality record : Yangmingshan, Chiayi.

L. japonica (Kuwana 1902)

Prcc. Calif. Acad. Sci. 3, 3 : 89, *Mytilaspis pomerum* var. *japonica* ; Takagi 1970 Ins. Mats. 33 : 3, *Lepidosaphes japonica.*

Host : *Tsuga chinensis* var. *formosa-*

na.

Locality record : Tungpu.

L. leei Takagi 1970

Ins. Mats. 33 : 18.

Hosts : *Ilex formosana*, *Symplocos stellaris*, *Viburnum arboricolum*.

Locality record : Taipei, Fenchifu, Alishan.

L. lithocarpi Takahashi 1934

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 63 : 18, figs.

Host : *Lithocarpus* sp.

Locality record : Puli, Shuishe, Taipingshan, Lotung.

L. maskelli (Cockerell 1897)

Trans. N. Z. Inst. 27 : 46, *Mytilaspis pallida* var. *maskelli*.

Hosts : *Juniperus*, *Podocarpus*.

Locality record : Taipei, Chiaochi, Kaohsiung.

L. pallida (Green 1896)

Ind, Mus. Nots 4 : 5, *Mytilaspis gloveri* Packard var. *pallida* Green ; Takahashi 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 75, *Lepidosaphes pallida*.

Host : *Kandelia rheedii*.

Locality record : Shuishe, Chiayi, Ouluanpi, Taitung.

L. nivalis Takagi 1970

Ins. Mats. 33 : 4.

Hosts : *Abies kawakami*, *Tsuga chinensis* var. *formosana*.

Locality record : Tungpu, Alishan.

L. pitysophila Takagi 1970

Ins. Mats. 33 : 16.

Host : *Pinus* sp.

Locality record : Chiaochi.

L. takaoensis Takahashi 1935

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 66 : 23, fig.

Hosts : *Celtis sinensis*, *Codiaeum variegatum*.

Locality record : Kaohsiung.

L. tokionis (Kuwnana 1902)

Pap. Calif. Ac. Sci. 3, 3 : 81, *Mytilaspis newsteadi* var. *tokyonis* ; Ferris 1942 Atl. Scale Ins. N. Amer. SIV 389 ; Takagi 1970, Ins. Mat. 33 : 6.

Syn. : *Mytilaspis auriculata* Green 1907, *Lepidosaphes lasianthi* (Green 1900)

Host : *Codiaeum variegatum*

Locality record : Kenting.

L. tubulorum Ferris 1921

Bull. Ent. Res. 12 : 16 ; Takahashi 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 75, Ferris 1953 Microentomology 18 : 61, fig. 26.

Hosts : *Erythrina* sp., *Melia azedarach*, *Salix glandulosa* var. *warburaii*, *Sapium sebiferum*.

Locality record : Taipei, Peitau, Hwalien, Taichung, Chiayi.

L. yamahoi Takahashi 1935

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 66 : 26, fig. *Lepidosaphes cycadicola* var. *yamahoi*.

Host : unknown.

Locality record : Pingtung.

L. yoshimotoi Takagi 1970

Ins. Mats. 33 : 11.

Host : *Chamaecyparis formosensis*.

Locality record : Alishan.

Genus ***Acanthomytilus*** Borchsenius 1947

C. R. Acad. Sci. URSS (N. S.) 58 : 344 ; Takagi 1970 Ins. Mats. 33 : 24. Type: *Lepidosaphes intermittens* Hall 1921.

A. chui Takagi 1970

Ins. Mats. 33 : 25.

Host : *Miscanthus* sp.

Locality record : Peitau, Kenting.

A. graminicola (Takahashi 1934)

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 63 : 9, figs. *Chionaspis*

Host : A species of Graminae

Locality record : Hsintien.

A. imperatae (Kuwana 1931)

Dobuts. Zasshi 43 : 170, *Lepidosaphes.*

Host : *Imperata arundenacea.*

Locality record : Taipei.

A. sacchari (Hall 1923)

Minist. Agr. Egyt. Tech, Sci. Serv. Bull. 36 : 23, fig., *Lepidosaphes* ; Takahashi 1931 Trans. N. H. Soc. Formosa 21 : 2, *Lepidosaphes* ; Balachowsky 1954 Les Cochenilles Palearctiques Tribu Diaspini : 108, *Acanthomytilus.*

Host : *Miscanthus* sp.

Locality record : Taipei.

A. vermiformis (Takahashi 1930)

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 43 : 12, Figs., *Chionaspis* ; Borchsenius 1964 Ent. Obozr. 43 : 168, *Takahashiella* ; Takagi 1970 Ins. Mats. 33 : 27, *Acanthomytilus.*

Host : Bamboo.

Locality record : Yangmingshan, Shuishe, Chiayi.

Genus ***Andaspis*** MacGillivray 1921

Coccidae : 275 and 292 ; Takagi 1970 Ins. Mats. 33 : 20 ; Prabhaker Rao and Ferris 1952 Microentomology 17 : 17—32 ; Williams 1963 Bull. Brit. Mus. (Nat. Hist.) Ent. 15 : 25. Type : *Mytilaspis flava* var. *hawaiiensis* Maskell 1894.

Syn. : *Raoaspis* Borchsenius 1958, *Pararoaspis* Borchsenius 1967.

A. crawii (Cockerell 1896)

Psyche 7, suppl. 21, *Mytilaspis* ; Kuwana 1925 Dept. Finance Imp. Plant Quar. Serv. Bull. 2 : 15, *Lepidosaphes* ; Takagi 1970 Ins. Mats. 33 : 21, *Andaspis.*

Syn. : *Mytilaspis crawii* var. *canaliculata* Maskell 1897.

Hosts : *Castanopsis kusanoi*, *Pasania uraiana* (*Lithocarpus uraiana*)

Locality record : Fenchifu, Alishan.

A. hawaiensis (Maskell 1894)

Trans. N. Z. Inst. 27 : 47, *Mytilaspis flava* var. *hawaiensis.*

Host : *Pirus serotina.*

Locality record : Shihlin.

A. mori Probhaker Rao and Ferris 1952

Microentomology 17 : 21 ; Williams 1963 Brit. Mus. (Nat. Hist.) Ent. Bull. 15 : 20.

Host : *Sapindus* sp.

Locality record : Taipei.

A. viticis Takagi 1970

Ins. Mats. 33 : 22.

Host : *Vitex negundo.*

Locality record : Henchun.

Genus ***Cocomytilus*** Leonardi 1898

Riv. Pat. Veget 6 : 205 and 206 ; Ferris 1941 Microentomology 6 : 12 and 15, fig. 6. Type : *Mytilaspis convexa* Maskell 1894

C. albus (Cockerell)

Ferris 1941 Atlas Scale Insects N. Amer. SIII—271, *Aonidomytilus albus* (Cockerell) ; Takahashi 1935 Trans. N. H. Soc. Formosa 25 ; 444, *Cocomytilus dispar* Vayssiese.

Syn. : *Cocomytilus dispar* (Vayssiese 1913) *Mytilaspis.*, *Lepidosaphes cockerelliana* Kirkaldy.

Host : *Mamihot esculenta*

Locality record : Tainan.

Genus ***Dinaspis*** Leonardi 1911

Boll. Lab. Portici 5 : 282. Type : *Dinaspis ichesii*, Leonardi 1911.

D. taiwana Takahashi 1936

Trans. N. H. Soc. Formosa 26 : 427, fig.

Host : *Actinodaphne pedicellata.*

Locality record : Hsintien.

Genus ***Eucornuaspis*** Borchsenius 1963

Zool. Zhurn. 42 : 1168, fig. Type : *Lepidosaphes machili* (Maskel 1898)

E. machili (Maskell 1898)

Trans N. Z. Inst. 30 ; 230, *Mytilaspis*; Takahashi 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 74, *Lepidosaphes cymbidicola* Kuwana ; 1933 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 60 : 48, fig., *Lepidosaphes cinnomomi* ; 1955 Bull. Univ. Osaka Prefect 5 (B) : 75, fig. *Lepidosaphes.*

Syn. : *Lepidosaphes cymbidicola* Kuwana 1925, *Lepidosaphes ezokihadae* Kuwana 1932, *Lepidosaphes cinnomomi* Takahashi 1933.

Hosts : *Cinnomum kanehirai, Cycas revolata.*

Locality record : Taipei, Hsintien, Hsinhua.

Genus ***Howardia*** Berlese and Leonardi 1896

Riv. Patol Veget 4 : 347 ; Ferris 1937 Microentomology 1 : 25 ; Takagi 1970 Ins. Mats. 33 : 31. Type : *Chionaspis biclavis* Comstock 1883.

Syn. : *Magalochiaspis* Paoli 1916.

H. biclavis (Comstock 1883)

2nd Rept. Dept. Ent. Cornell Univ. : 98, *Chionaspis* ; Takagi 1970 Ins. Mats. 33 : 32, *Howardia.*

Host : *Lacuma nervosa.*

Locality record : Chiayi.

Genus ***Neopinnaspis*** McKenzie 1949

Bull. Calif. Dept. Agr. 38 : 123 ; Takagi 1970 ; Ins. Mats. 33 : 29. Type : *Neopinnaspis harperi* McKenzie 1949

N. harperi McKenzie 1949

Bull. Calif. Dept. Agr. 38 : 123 ; Takagi 1970 Ins. Mats. 33 : 29.

Host : *Hibiscus rosa-sinensis.*

Locality record : Chiayi.

Genus ***Parainsulaspis*** Borchsenius 1963

Zool. Zhurn. 42 : 1162, fig. Type : *Lepidosaphes laterochitinosa* Green 1925= *Cephalaspis cocculi* Green 1896.

P. bladhiae (Takahashi 1931)

J. Soc. Trop. Agr. Formosa 3 : 379, fig. *Lepidosaphes* ; Takagi 1969 Akitsu 9 : 77, fig. ; Borchsenius 1963 Zool Zhurn. 42 : 1162, fig. *Parainsulaspis.*

Syn. : *Lepidosaphes kamakurensis* Kuwana 1925, misidentified, *Lepidosaphes laterochilienosa* Green 1925.

Host : *Bladhia sieboldii.*

Locality record : Taipingshan, Kuantzuling, Kaohsiung, Pingtung.

P. glaucae (Takahashi 1932)

J. Soc. Trop. Agr. Formosa 4 : 47, *Lepidosaphes* ; Takagi 1960, 47 : 68 ; Borchsenius 1963 Zool Zhurn 42 : 1162, fig., *Parainsulaspis.*

Hosts : *Cyclobalanopsis glauca, Kandelia candel (rheedii) , Scolopia olhami.*

Locality record : Wulai, Shihlin, Lotung.

P. kamakurensis (Kuwana 1925)

Dept. Finance Imp. Plant Quar. Serv. Bull. 2 : 18, *Lepidosaphes* ; Takahashi 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 75, *Lepidosaphes.*

Hosts : *Ardisia* sp., *Heptapleurum octophyllum, Heterosmilax japonica.*

Locality record : Shihlin, Chiayi.

Genus ***Ungulaspis*** MacGillivray 1921

Coccidae : 274, 286. Type : *Lepidosaphes ungulata* Green 1905

U. ficicola (Takahashi 1932)

J. Soc. Trop. Agr. Formosa 3 : 378,

fig. , *Lepidosaphes.*

Host : *Ficus nervosa.*

Locality record : Hsintien.

Genus ***Diaspis*** Costa 1828

Prospetto di Una Nuova Divisione Metodica del Genero Coccus, Lin. Lam. Ec. Napoli, Dala Tipografia Trani : 6—7, nomen nudum. Type : *Diaspis calyptroides* Costa 1835=*Aspidiotus echinocacti* Bouche 1833.

Syn. : *Carulaspis* MacGillivray 1921, *Cockerellaspis* MacGillivray 1921, *Umbaspis* MacGillivray 1921, *Ferrisidiaspis* Bodenheimer 1951, *Epidiaspis* Cockerell 1899, *Furchdaspis* MacGillvray 1921

D. boisduvali Signoret 1869

Ann. Soc. Ent. France 4 : 432 ; Takahashi 1934 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 63 : 6.

Host : *Rhynchostylis retusa.*

Locality record : Taipei.

D. bromeliae (Kennicott 1778)

Naturg : 20 : 52, *Coccus.*

Host : *Ananas comosus.*

Locality record : Taipei, Chiayi, Fengshan, Pingtung, Chuchi, Taishu.

D. manni (Green 1906)

Mem. Dept. Agr. India Ent. 1 : 344, pl. 16 and 17, *Chionaspis* ; Takahashi 1930 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 48 : 37, *Phenacaspis* ; 1931 Bull. Ent. Res. 22 : 211, fig. *Diaspis gordoniae* ; 1933 Dept. Agr. Gov't. Res. Inst. Formosa, Rept. 60 : 60 ; 1934 Dept. Agr. Gov't. Res. Inst, Formosa Rept. 63 : 6, *D. manni.*

Syn. : *Diaspis gordoniae* Takahashi 1931.

Host : *Gordonia axillaris.*

Locality record : Taipei, Shuishe.

Genus ***Unaspis*** MacGillivray 1921

Coccidae : 308, 339 ; Prabhaker Rao 1949 Microentomology 14 : 36—42. Type : *Chionaspis acuminata* Green 1899.

Syn. : *Ametrochaspis* MacGilliaray1921, *Graphaspis* MacGilliaray 1921, *Prontaspis* MacGillivary 1921.

U. turpiniae Takahashi 1934

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 63 : 10, fig. *Unaspis acuminata* var. ; Probhaker Rao 1949 Microentomology 14 : 64, a sp. not var. ; Takahashi 1956 Annot. Zool. Japan 29 : 58, further characters.

Host : *Turpinia formosana.*

Locality record : Pahsienshan.

U. aei Takagi 1970

Ins. Mats. 33 : 35.

Host : *Euonymus echinatus.*

Locality record : Alishan.

Genus ***Thysanofiorinia*** Balachowsky 1954

Cochenicelle Palearct Trib. Diaspini : 312, figs. Type : *Fiorinia nephalii* Maskell 1898.

T. nephalii (Maskell 1898)

Trans. N. Z. Inst. 30 : 234, *Fiorinia* ; Ferris 1936 Microentomology 1 : 5 ; Takahashi 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 77 ; Takagi 1970 Ins. Mats. 33 : 37, *Thysanofiorinia.*

Syn. : *Fiorinia hirsuta* Marchal 1906.

Hosts : *Euphoria longana, Lichi chinensis.*

Locality record : Yuanshan, Changhua, Chiayi, Kenting, Ilan.

Genus ***Duplachionaspis*** MacGillivray 1921

Coccidae : 307 and 332 ; Takagi 1970 Ins. Mats. 33 : 38. Type : *Chionaspis graminis* Green 1926.

Syn. : *Nelaspis* Hall 1946.

D. divergens (Green 1899)

Coccidae Ceylon : 2 : 123, *Chionaspis graminis* Green var. *divergens* ; Takahashi 1929 Dept. Agr, Gov't. Res. Inst. Formosa Rept. 40 : 73 ; Takagi 1970 Ins. Mats. 33 : 39, *Duplachionaspis divergens.*

Syn. : *Chionaspis miscantheae* Kuwana 1928

Hosts : *Arundo formosana, Spinifex littoreus.*

Locality record : Taipei, Hsintien, Tanshui.

D. stanotophri (Cooley 1899)

Spec. Bull. Mass. Expt. : 35, *Chionaspis* ; Takhashi 1929 Dept, Agr. Gov't. Res. Inst. Formosa Rept. 40 : 73.

Syn. : *Chionaspis graminis* var. *aegyptica* Hall 1923.

Host : *Saccharum officinarum.*

Locality record : Tainan, Taitung.

Genus ***Pseudaulacaspis***
MacGillivray 1921

Coccidae : 305 ; Ferris 1941 Microentomology 6 : 19, fig. 10. Type : *Diaspis pentagona* Targioni-Tozzitti 1886.

Syn. : *Euvoraspis* Mamet 1951, *Sasakiaspis* Kuwana 1926.

P. brideliae (Takahashi 1933)

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 60 : 43, fig., *Chionaspis* ; Ferris 1955 Microentomology 20 ; 45, *Phenacaspis.*

Host : *Eridelia.*

Locality record : Hsintien, Kueitzuchiao.

P. cockerelli (Cooley 1897)

Can. Ent. 29 : 278., *Chionaspis* ; Takagi 1969 Ins. Mats. 32 : 43, *Pseudaulacaspis.*

Syn. : *Chionaspis akebiae* Takahashi 1952, *C. ancubae* Cooley 1897, *C. dilatata* Green 1898, *C. eugeniae* Maskell, *C. miyakoensis* Kuwana 1931, *C. syringae* Borchsenius 1938, *C. hattorii* Kanda 1941, *Phenacaspis natalensis* Cockerell 1902, *P. eugeniae* var. *sandwicensis* Fullaway 1932, *P. ferrisis* Mamet 1959, *Pseudaulacaspis biformis* Takagi 1956.

Hosts : *Bischofia javanica, Camellia* sp., *Eurya acuminata, E. crenatifolia, E. japonica, E. strigillosa, Excoecaria orientalis, Liquidambar formosana, Michelia alba, M. fuscata, Nerium indica, Phoenix, Rhododendren* spp., *Trochodendran aralioides, Viburnum arboricalum, V. odoratissium.*

Locality record : Taipei, Yangmingshan, Chiayi, Alishan, Kaohsiung, Kenting.

P. kuwanai Takahashi 1956

Bull. Lab. Zool. Portici 33 : 50 n. n. for *quercus* Kuwana nec Comstock from *Phenacaspis*, Kuwana 1931 Sci. Bull. Ministr. Agr. For. Japan 2 : 6, fig., *Phenacaspis* ; Ferris 1955 Microentomology 20 : 50. *Phenacaspis.*

Syn. : *Phenacaspis quercus* Kuwana 1931 nec *Chionaspis quercus* Comstock 1881.

Host : unknown.

Locality record : Kenting.

P. major (Cockerell 1894)

Ent. News 5 : 43, *Aulacaspis*, Zimmerman 1949 Ins. Hawaii 5 : 381, *Diaspis.*

Syn. : *Aulacaspis flacourtiae* Rutherford 1914, *Pseudaulacaspis euphorbiae* de Charmoy 1899, *P. hwangensis* Chen 1937.

Hosts : *Ficus beecheyana, Flacourtia ramontchii, Scolopia oldhamii* (=*crenata*) .

Locality record : Taipei, Ouluanpi.

P. megacauda Takagi 1970

Ins. Mats. 33 : 48.

Host : *Eurya acuminata.*

Locality record : Alishan.

P. pentagona (Targioni-Tozzetti 1855)

Revista Bacchicoltura 11, *Diaspis* ; Shiraki 1913 Agr. Expt. Sta. Formosa Spec. Rept. 8 : 93, *Diaspis* ; Ferris 1921 Bull. Ent. Res. 12 : 213, *Aulacaspis* ; Takahashi 1929 Dept. Agr. Gov't. Res . Inst. Formosa Rept. 40 : 72, *Diaspis* ; Takagi 1961 Ins. Mats. 24 : 88, *Aulacaspis* ; 1970 Ins. Mats. 33 : 42, *Pseudaulacaspis*.

Hosts : *Crotalaria*, *Mallotus japonicus*, *Morus alba*, *Prunus communis*, *P. persicae*, *Stranovaesisnii niitakayamensis*.

Locality record : Taipei, Hsintien, Yangmingshan, Taoyuan, Pingchien, Chiayi, Tungpu, Kuantzuling, Pashienshan, Tainan, Fengshan, Hualien.

P. sasakawai Takagi 1970

Ins. Mats. 33 : 48.

Host : *Stauntonia heitaoensis*, *Symplocos lancifolia*, *S. stellaris*.

Locality record : Alishan.

P. taiwana (Takahashi 1935)

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 66 : 17, fig., *Phenacaspis*.

Host : *Quercus*.

Locality record : Suo.

P. takahashii (Ferris 1955)

Microentomology 20 : 52, figs. *Phenacaspis* ; Takagi 1970 Ins. Mats. 33 : 70, *Pseudaulacaspis*.

Host : *Diospyros discolor*.

Locality record : Kenting.

Genus ***Epifiorinia*** Takagi 1970

Ins. Mats 33 : 52. Type : *Epifiorinia tsugae* Takagi 1970

E. tsugae Takagi 1970

Ins. Mats. 33 : 53.

Host : *Tsuga chinensis* var. *formosana*

Locality record : Tungpu.

Genus ***Fiorinia*** Targioni-Tozzetti 1868

Atti. Soc. tal. Scil. Ent. 11 : 755 ; Takagi 1970 Ins. Mats. 33 : 53. Type : *Fiorinia pellucida* Targioni-Tozzetti 1868 =*Diaspis fioriniae* Targioni Tozzetti 1867.

Syn. : *Uhleria* Comstock 1883.

F. arengae Takahashi 1934

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 63 : 26, *Fiorinia taiwana* var. *arengae* ; Takagi 1970 Ins. Mats. 33 : 59.

Host : *Arenga engleri*.

Locality record : Kenting.

F. fioriniae (Targioni-Tozzetti 1867)

Studi sul Cocc. : 14, *Diaspis* ; Takahashi 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 76 ; Takagi 1970 Ins. Mats. 33 : 59.

Syn. : *Fiorinia pellucida* Targioni 1869, *F. camelliae* Comstock 1881, *F. palmae* Green 1896.

Hosts : *Buchanania arborascens*, *Camellia japonica*, *Cinnamomum* sp., *Decaspermum fruticosum*, *Eucalyptus* sp., *Eugenia javanica*, *Ficus nervosa*, *Machilus kusanoi*, *Mangifera indica*, *Myristica heterophylla*.

Locality record : Taipei, Chiayi, Chuchi.

F. formosensis Takahashi 1933

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 60 : 50, Takagi 1970 Ins. Mats. 33 : 61.

Hosts : *Ficus foveolata*, *F.* sp.

Locality record : Yangmingshan.

F. horii Kuwana 1927

Annot Zool. Japan 2 : 151, figs.

Hosts : *Rhododendron lasiostylum* (= *sasakii*), *R. hymnathes* var. *heptamerum*, var. *rentamerum*, var. *angustifolia*.

Locality record : Taiwan.

F. japonica Kuwana 1902

Proc. Calif. Ac. Sci. 3, 3 : 79, *Fiorinia fioriniae* var. *japonica* ; Takahashi 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept.

40 : 76 ; Ferris 1936 Microentomology 1:4 ; Takagi 1970 Ins. Mats. 33 : 56.

Syn. : *Fiorinia juniperi* Leonard 1906.

Hosts : *Keleteeria davidiana, Pinus thunbergii, Podocarpus macrophylla, Taxus mairei.*

Locality record : Taipei, Yuanshan.

F. linderae Takagi 1970

Ins. Mats. 33 : 64.

Host : *Lindera communis*

Locality record : Taipei.

F. minor Maskell 1897

Trans N. Z. Inst. 29 : 307, *Fiorinia camelliae* var. *minor* ; Takahashi 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 77 ; Ferris 1921 Bull. Ent. Res. 12 : 216, *Fiorinia chinensis* ; 1936 Microentomology 1 : 4, *Fiorinia minor* ; Takagi 1970 Ins. Mats. 33 : 63.

Syn. : *Fiorinia chinensis* Ferris 1921.

Hosts : *Camellia, Celtis chinensis, Ficus*, Palm.

Locality record : Taipei, Yangmingshan.

F. pinicola Maskell 1897

Ent. Mon. Mag. 33 : 242 ; Ferris 1936 Microentomology 1 : 2 ; Takagi 1970 Ins. Mats. 33 : 56.

Hosts : *Cupressus juniperinus, Podocarpus.*

Locality record : Taipei.

F. proboscidaria Green 1900

J. Bombay N. H. Soc. 13 : 256 ; Takagi 1970 Ins. Mats. 33 : 65.

Hosts : *Citrus* sp., *Eugenia jambos.*

Locality record : Chiayi, Kuantzuling.

F. proboscidaria var. ***randiae*** Takahashi 1934

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 63 : 20.

Host : *Randia canthioides.*

Locality record : Puli.

F. rhododendri Takahashi 1935

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 66 : 27.

Host : *Rhododendron* sp.

Locality record : Chihpen.

F. smilaceti Takahashi 1931

Bull. Ent. Res. 22 : 218 ; 1934 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 63 : 24.

Hosts : *Lindera communis, Smilax* sp.

Locality record : Hsintien.

F. taiwana Takahashi 1934

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 63 : 24 ; Takagi 1970 Ind. Mats. 33 : 57.

Syn. : *Fiorinia saprosmae* Green 1896

Hosts : *Arenga engleri, Chrysalidocarpus lutescens, Cyclobalanopsis glauca, Myrica rubra.*

Locality record : Kenting.

F. theae Green 1900

Ind. Mus. Notes 5 : 3, pl. 1, figs. 4—8 ; Sasscer 1912 U. S. D. A. Ent. Tech. 16 : 76, Pls. 10—11 ; Shiraki 1913 Agr. Expt. Stat. Formosa Spec. Rept. 8 : 95, *Chionaspis flava* Shiraki nec Green ; Takahashi 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 76 ; Takagi 1970 Ins. Mats. 33 : 65.

Hosts : *Citrus* spp., *Eurya japonica, Thysanospermum diffucum.*

Locality record : Taipei, Yangmingshan, Chiayi, Matou. Fengshan, Pingtung.

F. theae var. ***turpiniae*** Takahashi 1934

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 63 : 21 ; Ferris 1950 Microentomology 15 : 78, 93, fig. 43.

Host : *Turpinia formosana.*

Locality record : Pahsienshan.

F. vaccini Kuwana var. ***hisakakii*** Takahashi 1936

Mushi 9 : 7.

Host : *Eurya* sp.

Locality record : Kaohsiung.

Genus ***Achionaspis*** Takagi 1970

Ins. Mats. 33 : 67. Type : *Achionaspis kanoi* Takagi 1970

A. kanoi Takagi 1970

Ins. Mats. 33 : 67.

Host : *Eurya japonica.*

Locality record : Taipei

Genus ***Chionaspis*** Signoret 1868

Ann. Soc. Ent. France (ser.4) 8 : 844 ; Takagi 1970 Ins. Mats. 33 : 69. Type : *Coccus salicis* Linnaeus 1758.

Syn. : *Fundaspis* MacGillivray 1921, *Marchalaspis* MacGillivray 1921, *Marchaliella* Bodenheimer 1951, *Phenacaspis* Cooley and Cockerell 1899.

C. atlanticae Takahashi 1933

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 60 : 44 ; Ferris 1935 Microentomology 20 : 45, fig. 31, *Phenacaspis.*

Host : *Severinia buxifolia* (=*Atlantia bilocularis*)

Locality record : Kenting.

C. formosana (Takahashi 1934)

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 63 : 7, *Phenacaspis.*

Host : *Wickstroemia* sp.

Locality record : Lotung, Pingtung.

C. machili (Takahashi 1931)

Trans. N. H. Soc. Formosa 21 : 1, *Diaspis* ; Takagi 1970 Ins. Mats. 33 : 72, *Chionaspis.*

Syn. : *Phenacaspis obovats* Takagi and Kawai 1966.

Hosts : *Cinnamomum* sp., *Machilus japonica, M. kusanoi.*

Locality record : Taipei, Yuanshan, Yangmingshan, Taipingshan, Shuishe, Kuantzuling, Fenchifu, Kenting.

C. machilicola (Takahashi 1935)

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 66 : 13, fig., *Diaspis.*

Host : *Machilus* sp.

Locality record : Chihpen.

C. machilicola (Takahashi 1935) var. ***cinnamomicola*** Takahashi 1935.

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 66 : 15, *Diaspis* ; Takagi 1970 Ins. Mats. 33 : 79, *Chionaspis* sp.

Host : *Cinnamomum erythrophloia* (*Beilschmiddra*) .

Locality record : Taipei.

C. rotunda (Takahashi 1935)

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 66 : 16, *Phenacaspis.*

Host : *Quercus pseudomyrsimaefolia.*

Locality record : Pingtung.

C. schizosoma Takagi 1970

Ins. Mats. 33 : 77.

Hosts : *Machilus japonica, M. kusanoi, M.* sp.

Locality record : Yangmingshan, Chiayi, Chuchi, Kenting.

C. sozanica Takahashi 1933

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 60 : 41 ; Takagi 1970 Ins. Mats. 33 : 70.

Host : *Acer* sp.

Locality record : Yangmingshan.

C. takahashii (Ferris 1955)

Microentomology 20 : 52, *Phenacaspis.*

Host : unknown.

Locality record : Taipei, Yuan Fungshi

C. trochodendri (Takahashi 1936)

Mushi 9 : 4, fig., *Phenacaspis* ; Takagi 1970 Ins. Mats. 33 : 74, *Chionaspis.*

Host : *Trochodendron aralioides.*

Locality record : Alishan.

C. uenoi Takagi 1970

Ins. Mats. 33 : 74.

Host : *Lindera communis.*

Locality record : Fenchifu.

C. vitis Green 1896

Ind. Mus. Notes 4 : 3 ; 1899 Coccidae Ceylon : 140, pl. 47 ; 1930 Tijdschr. Ent. 73 : 295, fig., notes on scale ; Takahashi 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 72.

Hosts : *Acalypha kotoensis, Elaeagrus glabra, E. lotoensis=E. macrophylla, E. thunbergii, Kandelia rheedi(=candel), Mallotus philippensis, Machilus* sp.

Locality record : Taipei, Yuanshan, Peitau, Yangmingshan, Tungshe, Puli, Shuishe, Lanhsu.

Genus ***Greenaspis*** MacGillivray 1921

Coccidae : 307, 339 ; Ferris 1952 Microentomology 17 : 6 ; Takagi 1970 Ins. Mats. 33 : 81. Type : *Mytilaspis elongata* Green 1896.

Syn. : *Canaspis* MacGillivray 1921.

G. bambusifoliae (Takahashi 1930)

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 48 : 14, figs., *Chionaspis* ; Ferris 1952 Microentomology 17 : 7, *Greenaspis.*

Host : Bamboo.

Localityrecord : Taipei, Erhshui, Shuishe.

G. elongata (Green 1899)

Coccidae Ceylon : 125, pl. 39, *Chionaspis* ; Takahashi 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 73 ; Takagi 1970 Ins . Mats. 33 : 81, *Greenaspis.*

Syn. : *Greenaspis yunnanensis* Ferris 1952.

Hosts : Bamboo, *Phragmitis* sp.

Locality record : Taipei, Yangmingshan, Kenting.

Genus ***Aulacaspis*** Cockerell 1893

J. Inst. Jamaica 1 : 180 ; Scott 1952 Microentomology 17 : 20 ; Takagi 1970 Ins. Mats. 33 : 82. Type : *Aspidiotus rosae* Bouche 1834.

Syn. : *Miscanthaspis* Takagi 1961

A. aceris Takahashi 1935

Gov't. Agr. Res. Int. Formosa Rept. 66 : 12.

Host : *Acer kawakamii.*

Locality record : Pingtung.

A. actinidiae Takagi 1970

Ins. Mats. 33 : 99.

Host : *Actinidia arisanensis.*

Locality record : Fenchifu.

A. actinodaphnes Takagi 1970

Ins. Mats. 33 : 89.

Host : *Actinodaphne mushaensis.*

Locality record : Alishan.

A. alishana Takagi 1970

Ins. Mats. 33 : 89.

Host : *Neolistea acuminutissima.*

Locality record : Alishan.

A. crawii (Cockerell 1898)

Psyche 8 : 190, *Diaspis* ; Takahashi 1930 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 43 : 37, *Aulacaspis* ; Scott 1952 Microentomology 17 : 36.

Syn. : *Aulacaspis fulleri* Cockerell 1901

Hosts : *Hibiscus tiliacens, Melia azedarach.*

Locality record : Taipei.

A. difficilis (Cockerell 1896)

Psyche 7 suppl. : 21, *Chionaspis* ; Kuwana 1926 Dept. Finance Imp. Plant Quar. Serv. Japan Tech. Bul. 4 : 11, *Sasakiaspis* ; Takagi 1970 Ins. Mats. 33 : 98, *Aulacaspis.*

Host : *Elaeagus* sp.

Locality record : Yunlin.

A. divergens Takahashi 1935

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 66 : 10, figs., *Aulacaspis kuzunoi* var. *divergens* ; Takagi 1970 Ins. Mats.

33 : 102. *divergens*.

Host : *Miscanthus* sp.

Locality record : Yunlin, Chuchi, Kuantzuling, Fenchifu.

A. fagraeae (Green 1896)

Coccidae Ceyoln 1 : 91, pl. 25, fig. 23, *Diaspis* ; Cockerell 1902 Ent. 35 : 59.

Host : *Fagraea* sp.

Locality record : Yuanshan, Alishan.

A. greeni Takahashi 1934

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 63 : 41, figs. ; Takagi 1970 Ins. Mats. 33 : 93.

Hosts : *Cinnamomum reticulatum*, *C.* sp.

Locality record : Ouluanpi.

A. madiumensis (Zehntner 1898)

Med. Proefstation Sucker. Oost-Java 36 : 1, *Chionaspis* ; Takahashi 1940 Mushi 13 : 26, *Aulacaspis* ; Scott 1952 Microentomology 17 : 38.

Syn. : *Scloptetaspis maidunensis* (Zehntner) MacGillivray 1921,

Hosts : *Saccharium officinarum*, *Oplismenus* sp.

Locality record : Taiwan.

A. maesae Takagi 1970

Ins. Mats. 33 : 95.

Host : *Maesa tonera*.

Locality record : Yangmingshan.

A. murrayae Takahashi 1931

Bull. Ent. Res. 22 : 212, fig. ; Takagi 1970 Ins. Mats. 33 : 92.

Host : *Murraya paniculata*.

Locality record : Taipei, Ilan, Kuantzuling, Kenting.

A. phoebicola Takahashi 1936

Trans. N. H. Soc. Formosa 26 : 81, fig.

Host : *Phoebe formosana*.

Locality record : Wulai, Pingtung, Taitung.

A. robusta Takahashi 1931

Bull. Ent. Res. 22 : 212, figs. ; Takagi 1970 Ins. Mats. 33 : 99.

Host : *Ardisia sieboldii* (*Bladhia*)

Locality record : Kuantzuling.

A. rosae (Boudhe 1834)

Natur. Insekt. : 14, *Aspidiotus* ; Maki 1915 Forest Expt. Sta. Formosa Spec. Rept. 1 : 28, *Diaspis* ; Takahashi 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 70, *Aulacaspis* ; Scott 1952 Microentomology 17 : 40.

Host : *Rosa* sp.

Locality record : Taipei.

A. saigusai Takagi 1970

Ins. Mats. 33 : 91.

Host : *Rhus floribunda paniculatus*.

Locality record : Alishan.

A. spinosa (Maskell 1897)

Ent. Mon. Mag. 33 : 241, *Diaspsis rosae* var. *spinosa* ; Takahashi 1931 J. Soc. Trop. Agr. Formosa 3 : 377, *Aulacaspis spinosa* ; Scott 1952 Microentomology 17 : 40 ; Takagi 1970 Ins. Mats. : 33 : 97.

Host : *Smilax* sp.

Locality record : Kuantzuling, Fenchifu.

A. tegalensis (Zehntner 1898)

Med. Proef. Suik. Oost. Java 36 : 7, *Chionaspis* ; Ferris 1921 Bull. Ent. Res. 12 : 213 *Aulacaspis* ; Takahashi 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 71 ; Scott 1952 Microentomology 17 : 40.

Host : *Saccharum officinarum*.

Locality record : Taipei.

A. tubercularis (Newstead 1906)

Bull. Ent. Res. 2 : 86, *Diaspis* ; Takahashi 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 71, *Aulacaspis mangiferae* ; 1935 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 66 : 12, *Aulacaspis mangiferae* var. *aceris*. Takagi 1970 Ins. Mats. 33 : 85,

tuberculatus.

Hosts : *Mangifera indica*, *Acer kawakamii*.

Locality record : Taipei, Shihlin, Peitau, Hsintien, Chuchi, Chiayi.

A. yabunikkei Kuwana 1926

Dept. Finance Imp. Plant Quar. Ser. Tech. Bull. 4 : 32 ; Shiraki 1913 Agr. Expt. Stat. Formosa Spec. Rept. 8 : 97, *Parlatoria cingala* ; Maki 1915 Forest Expt. Sta. Formosa Spec. Rept. 1 : 26, *Parlatoria cingala* ; Ferris 1921 Bull. Ent. Res. 12 : 212, *Aulacaspis cinnamomi* ; Takahashi 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 70.

Syn. : *Aulacaspis cinnamomi* Ferris 1921.

Hosts : *Actinodaphne* sp, *Lindera* sp, *Cinnamomum camphor*, *Neolistea* sp.

Locality record : Peitau, Hsintien, Chushan, Chiayi, Peipu, Kenting.

Genus ***Pinnaspis*** Cockerell 1892

J. Ent. Jamaica 1 : 136 ; Ferris and Rao 1947 Microentomology 12 : 25—58. Type : *Mytilaspis pandani* Comstock 1881=*Aspidiotus buxi* Bouche 1851.

Syn. : *Hemichionaspis* Cockerell 1897, *Jaapia* Lindinger 1914, *Lepidaspidis* Mac Gillivray 1921.

P. aspidistrae (Signoret 1869)

Ann. Soc. Ent. France 9 : 443, *Chionaspis* ; Maki 1915 Forest Expt. Sta. Formosa Rept. 1 : 28 ; Takahashi 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 73, *Pinnaspis*.

Syn. : *Chionaspis brasiliensis* Signoret 1896, *Chionaspis latus* Cockerell 1896, *Pinnaspis ophiopogonis* Takahashi 1952.

Hosts : *Aspidistra lurida*, *Asplenium nidus*, *Camellia sinensis*, *Eurya japoniaa*.

Locality record : Taipei, Hsintien.

P. buxi (Bouche 1851)

Stett. Ent. Zeit. 12 : 111, *Aspidiotus* ; Takagi 1970 Ins. Mats. 33 : 105.

Syn. : *Hemichionaspis pseudaspidistrae* Green 1916 ; *Mytilaspis pandani* Comstock 1881, *Pinnaspis bambusae* Cockerell 1893, *Pinnaspis siphonodontis* Cockerell and Robinson 1915.

Host : *Pothos seemanii*.

Locality record : Kuantzuling.

P. frontalis Takagi 1970

Ins. Mats. 33 : 115.

Host : *Eurya japonica*.

Locality record : Chuchi.

P. hibisci Takagi 1970

Ins. Mats. 33 : 113.

Host : *Hibiscus rosae sinensis*, *H. taiwanensis*, *Brehmeria densoflora*.

Locality record : Chiayi, Kuantzuling, Henchun.

P. konoi (Takahashi 1935)

Trans. N. H. Soc. Formosa 25 : 444, *Cocomytilus*.

Host : an undetermined tree branch.

Locality record : Lanhsu.

P. lithocarpi Takahashi 1931

Bull. Ent. Res. 22 : 214, fig.

Host : *Lithocarpus* sp.

Locality record : Puli, Shuishe.

P. liui Takagi 1970

Ins. Mats. 33 : 110

Hosts : *Adinandra lasiostyla*, *Eurya cuminata*, *E. strigillosa*.

Locality record : Alishan.

P. strachani (Cooley 1899)

Hatch. Expt. Sta. Mass. Agr. Coll. Spec. Bull. : 54, *Hemichionaspis minor strachani* ; Takahashi 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 74, *Pinnaspis minor*.

Syn. : *Hemichionaspis aspidistrae* var. *gossypii* Newstead 1908, H. *marchali* Cockerell 1902, *H. townsendi* Cockerell

1905. *Pinnaspis gossypii* Hall 1946, *P. machalli* Hall 1946, *P. temporaria* Ferris 1942

Hosts : *Pouteria obovata*, *Sansevieria* sp.

Locality record : Taipei, Kenting.

P. muntingi Takagi 1965

Kontyu 33 : 446 ; 1970 Ins. Mats. 33 : 107.

Hosts : *Ficus swinhoei*, *Musa sapiens*.

Locality record : Ouluanpi.

P. shirozui Takagi 1970

Ins. Mats. 33 : 111.

Host : *Ficus cuspidatocaudata*.

Locality record : Henchun.

P. uniloba (Kuwana 1909)

J. N. Y. Ent. Soc. 17 : 156, *Mytilaspis* (*Lepidosaphes*) ; Takahashi 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 74.

Syn. : *Pinnaspis simplex* Ferris 1921.

Hosts : *Adinandra milletti*, *Camellia japonica*, *Cleyera japonica*, var. *C. japonica* var. *morii*, *Eurya japonica*, *Osmanthus fragrans*.

Locality record : Taipei, Hsintien, Peitau, Yangmingshan, Shihting, Puli, Kuantzuling, Ouluanpi.

P. theae (Maskell 1891)

Indian Mus. Notes 2 : 60, *Chionaspis* ; Shiraki 1913 Agr. Expt. Sta. Formosa Spec. Rept. 8 : 98, *Chionaspis* ; Takahashi 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 74, *Pinnaspis*.

Syn. : *Chionaspis separata* Green 1900.

Hosts : *Camellia japonica*, *C. sinensis*.

Locality record : Kuantzuling, Henchun.

Genus ***Afiorinia*** Takagi 1970

Ins. Mats. 33 : 118. Type : *Afiorinia hirashimai* Takagi 1970.

A. hirashimai Takagi 1970

Ins. Mats. 33 : 118.

Host : *Castanopsis kusanoi*.

Locality record : Fenchifu.

Genus ***Ichthyaspis*** Takagi 1970

Ins. Mats. 33 : 120

Type : *Adiscofiorinia ficicola* Takahashi 1931.

I. ficicola (Takahashi 1931)

J. Soc. Trop. Agr. Formosa 3 : 380, *Adiscofiorinia* ; Takagi 1970 Ins. Mats. 33 : 120, *Ichthyaspis*.

Hosts : *Ficus foveolata*, *F.* sp.

Locality record : Yangmingshan.

Genus ***Kuwanaspis*** MacGillivray 1921

Coccidae : 311 and 361 ; Takagi 1970 Ins. Mats. 33 : 121. Type : *Chionaspis hikosani* Kuwana 1902.

Syn. : *Tsukushiaspis* Kuwana 1928 ; *Lepidosaphoides* Lindinger 1930.

K. amandalei (Green 1919)

Rec. Ind. Mus. 16 : 434, *Chionaspis* ; Ferris 1921 Bull. Ent. Res. 12 : 213.

Host : *Bambusa stenostachya*.

Locality record : Taipei.

K. arundinariae Takahashi 1938

Mushi 11 : 42, figs.

Host : *Pleioblastus* sp.

Locality record : Taipingshan.

K. bambusifoliae (Takahashi 1934)

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 63 : 11, figs., *Tsukushiaspis*.

Host : Bamboo.

Locality record : Taipei.

K. elongata (Takahashi 1930)

Dept. Agr. Gov't. Res. Inst. Formosa Rept . 48 : 18, *Tsukushiaspis*.

Host : Bamboo.

Locality record : Shuishe.

K. formosana (Takahashi 1930)

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 48 : 23, *Tsukushiaspis*.

Host : Bamboo sheath stem.

Locality record : Shuishe

K. neolinearis (Takahashi 1930)

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 49 : 21, figs., *Tsukushiaspis* ; Takagi 1970 Ins. Mats. 33 : 125, *Kuwanapis*.

Host : Bamboo.

Locality record : Yangmingshan, Shuishe.

K. phragmitis Takahashi 1931

Bull. Ent. Res. 22 : 216, fig.

Host : *Phragmitis* sp.

Locality record : Suo, Chihpen.

K. pseudoleucaspis (Kuwana 1902)

P. Cal. Ac. Sci. 3, 3 : 74, pl. 13, figs. 75—81, *Leucaspis bambusae* ; Ferris 1953 Microentomology 18 : 60, fig. 24 ; Takagi 1970 Ins. Mast. : 33 : 122, *Kuwanaspis*.

Syn. : *Leucaspis bambusae* Kumana 1902 nec *Chionaspis bambusae* Cockerell 1896.

Host : Bamboo.

Locality record : Yangmingshan.

K. suishana (Takahashi 1930)

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 49 : 16, fig., *Tsukushiaspis* ; Takagi 1970 Ins. Mats. 33 : 123, *Kuwanaspis*.

Host : *Phyllostachys pubescens*.

Locality record : Taipei, Yangmingshan.

K. vermiformis (Takahashi 1931)

Bull. Ent. Res. 23 : 215, *Tsukushiaspis*; Takagi 1970 Ins. Mats. 32 : 125, *Kuwanaspis*.

Hosts : *Bambusa stenostachya, Sinocalamus latiflorus=Dendrocalamus latiflorus, Sinocalamus oldhmai*.

Locality record : Taipei, Chiayi, Chuchi.

Genus ***Formosaspis*** Takahashi 1932

J. Soc. Trop. Agr. Formosa 4 : 47. Type : *Protodiaspis nigra* Takahashi 1930=*takahashii* Lindinger 1932.

F. formosanus (Takahashi 1931)

Trans. N. H. Soc. Formosa 21 : 2, *Leucaspis* ; 1932 J. Sco. Trop. Agr. Formosa 4 : 47, *Formosaspis*.

Host : Bamboo.

Locality record : Erhshui.

F. takahashii Lindinger 1932

Konowia 11 : 186, *Crypthemichionaspis takahashii* n. n. for *nigra* ; Takahashi 1930 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 48 : 25, fig. . *Protodiaspis nigra* ; 1932 J. Soc. Trop. Agr. Formosa 4 : 47, *Formosaspis*.

Host : Bamboo.

Locality record : Erhshui.

Genus ***Nikkoaspis*** Kuwana 1928

Sci. Bull. Mistr. Agr. For. Tokyo 1 : 37. Type : *Nikkoaspis shiranensis* Kuwana 1928

N. hichiseiana (Takahashi 1934)

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 63 : 12, fig., *Tsukushiaspis*.

Hosts : *Arundo formosana, Phragmites* sp.

Locality record : Taipei.

Genus ***Megacanthaspis*** Takagi 1970

Ins. Mats. 33 : 128. Type : *Megacanthaspis actinodaphnes* Takagi 1961.

M. litseae Takagi 1970

Ins. Mats. 33 : 130.

Host : *Litsea akoensis*.

Locality record : Fenchifu.

Genus ***Poliaspis*** Maskell 1880

Trans N. Z. Inst. 2 : 293 ; Ferris 1938 Microentomology 3 : 17, 42, fig. 21. Type : *Poliaspis media* Maskell 1880.

Syn. : *Fusilaspis* MacGillivray 1921, *Salaspis* Hall 1946.

P. pini (Maskell 1897)

Ent. Mon. Mag. 33 : 242 ; 1898 Trans. N. Z. Inst. 30 : 231 ; Kuwana 1902 Proc. Calif. Ac. Sci. 3, 3 : 32 ; 1925 Dept. Finance Japan Imp. Plant Quar. Tech. Bull. 1 : 1.

Host : *Pinus thunbergi.*

Locality record : Taiwan.

Genus ***Quernaspis*** Ferris 1937

Atlas Scale Insects N. Amer. SI—118. Type : *Chionaspis quercus* Comstock 1881.

Q. lithocarpi (Takahashi 1931)

Bull. Ent. Res. 22 : 214, *Pinnaspis.*

Host : *Lithocarpus* sp.

Locality record : Puli, Shuishe.

Family ERIOCOCCIDAE

Genus ***Eriococcus*** Targioni-Tozzetti 1868

Atti Soc. Ital. Sci. Nat. 11 : 726 ; Ferris 1948 Haiwaiian Insects 5 : 282 ; 1955 Atlas Scale Ins. N. Amer. 7 : 94. Type : *Coccus buxi* Fonscolombe 1834.

Syn. : *Gossypraia* Signoret 1875, *Rhizococcus* Signoret 1875, *Acanthococcus* Signoret 1875, *Uhleria* Cooke 1881.

E. transversus Green 1922

Coccidae Ceylon 5 : 351.

Host : Bamboo.

Localty record : Shuishe.

Family KERMESIDAE

Genus ***Kermes*** Latreille 1798

Bull. Soc. Philom Paris 1 : 113. Type : *Coccus variegatus* Gmelin 1789.

Syn. : *Talla* von Heyden. 1860

K. formosanus Takahashi 1929

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 49.

Host : *Quercus* sp.

Locality record : Sungkang (Tattaka).

Family LACCIFERDAE

Genus ***Laccifer*** Oken 1815

Lehrbuch der Naturgeschichte Sec. 3 (Zool. 1) : 430. Type : *Laccifer lacca* Kerr 1782

L. greeni (Camberlin 1923)

Bull. Ent. Res. 14 : 168, *Tachardia* ; Takahashi 1928 Trans. Nat. Hist. Soc. Formosa 18 : 261, *Laccifer.*

Syn. : *Tachardia fici* Morrison 1920.

Hosts : *Averrhoa carambola, Calliandra haematocephala, Euphoria longana, Ficus wightiana, Heritera littorlis, Liquidambar formosana, Machilus* sp., *Mangifera indica, Palaquium formosanum, Platanus orientalis, Rhodomyrtus tomentosa.*

Locality record : Chiayi, Kenting.

L. lacca (Kerr 1782)

Philos Trans. 71 : 374, *Coccus* ; Chamberlin 1923 Bull. Ent. Res. 14 : 170, *Tachardina.*

Hosts : *Ficus, Lichi chinensis, Hibiscus rosa-sinensis, Cajanus cajan.*

Locality record : Taipei, Taichung, Chiayi, Fengshan, Pingtung.

Note : This species was the second time introduced from Siam, Thailand for producing lac but did not use it and now becoming a pest of a nut fruit, Lichi.

Genus ***Tachardina*** Cockerell 1901

Entomologist 34 : 294. Type : *Tachardia albida* Cockerell 1901.

T. theae Green and Mann 1907

Mem. Dept. Agr. Ind, Ent. Ser. 1 : 348 ; 2 : 28, *Tachardina decorella* var. *theae* ; Takahashi 1928 Philip. J. Sci. 36 : 347, *Tachardina theae* ; 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 69.

Hosts : *Ardisia sieboldi, Ficus retusa, Machilus* sp., *Michelia formosana, M. fuscata, M. longifolia, Myrica rubra, Camellia chinensis, Rhodomyrtus tomentosa, Schima* sp.

Locality record : Taipei, Pingchien, Chiayi.

Family LECANODIASPIDAE

Genus ***Lecanodiaspis*** Targioni-Tozzetti 1869

Soc. Ent. Ital. Bull. 1 : 261. Type : *Lecanodiaspis sardoa* Targioni-Tozzetti 1869.

L. cremastogastri Takahashi 1929

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 47.

Host : *Lithocarpus* sp.

Locality record : Puli.

Family MARGARODIDAE

Genus ***Drosicha*** Walker 1858

List of the specimens of Homopterous Insects in the Collection of the British Museum Supplement : 306. Type : *Drosicha contrahens* Walker 1858.

Syn. : *Cockerellella* MacGillivray 1921. *Warajicoccus* Kuwana 1920, *Greenacoccus* MacGillivray 1921, *Greeniella* MacGillivray 1921.

D. contrahens Walker 1858

Cat. Br. Mus. Hom. 4, Suppl. : 306 ; Green 1922 Coccidae Ceylon : 431. pl. 1976, *Monophlaenus* ; Takahashi 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 31.

Host : *Persea gratissima.*

Locality record : Chiayi.

D. dalbergiae (Green 1902)

Ind. Mus. Notes 5 : 101, *Monophlebus*; Proc. 5th Ent. Meet, Pusa : 338, *Monophlebus* ; Takahashi 1928 Philip. J. Sci. 36 : 329 ; 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 31, *Drosicha.*

Host : unknown.

Locality record : Wulai, Tanshui.

D. maskelli Cockerell 1902

The nomenclature of the Monophlebine Coccidae, Science (n. s.) 15 : 717 ; Morrison 1923 Proc. U. S. Nat. Mus. 62, art. 17 : 2 ; Takahashi 1928 Philip. J. Sci. 36 : 328.

Host : *Ficus retusa*

Locality record : Taipei.

Genus ***Icerya*** Singoret 1875

Ann. Sco. Ent. France 5, 4 : 258. Type : *Coccus sacchari* Guercio-Meneville 1867 =*Dorthesia seychellarum* Westwood 1855.

Syn. : *Crossotosoma* Douglas 1890, *Procicerya* Cockerell 1895, *Newsteadiella* MacGillivray 1921, *Newsteadia* MacGillivray 1921.

I. aegyptica (Douglas 1890)

Ent. Mon. Mag. 26 : 79, *Crossotosoma* ; Shiraki 1913 Agr. Expt. Sta. Formosa Spec. Rept. 8 : 101 ; Takahashi 1928 Philip. J. Sci. 36 : 329 ; 1929 Dept. Agr. Gov't. Res. Ints. Formosa Rept. 40 : 32.

Hosts : *Anona muricata, Artocarpus altilis, A. integrifolia, Celtis* sp., *Codiaeum variegatum, Ficus wightiana, Mallotus philippensis, Morus alba, Psidium gujava, Psychotria elliptica.*

Locality record : Shihlin, Chiayi, Kuantzeling, Tainan, Kaohsiung, Pingtung. Chihpen.

I. purchasi Maskell 1878

Trans. N. Z. Inst. 11 : 221 ; Shiraki 1911 Rept. Stud. on *Icerya purchasi* ; 1913 Agr. Expt. St. Formosa Spec. Rept. 8 : 102 ; Takahashi 1928 Philip. J. Sci. 36 : 329.

Hosts : *Acacia confusa, Artemisia capillaris, Citrus* spp., *Rosa* sp., *Vitex*

negundo, Casuarina equisetifolia.

Locality record : Very common on the island.

I. seychellarum (Westwood 1855)

Gard. Chron : 830, *Dorthesia* ; Takahashi 1928 Philip. J. Sci. 36 : 329 ; 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 32 ; Shiraki 1913 Agr. Expt. Sta. Formosa Spec. Rept. 8 : 103, *Icerya okadae.*

Syn. : *Icerya okadae* Kuwana 1907.

Hosts : *Areac catechu, Chrysophyllum caintio, Citrus* spp., *Eriobotrya japonica, Eugenia javanica, Ficus wightiana, Maba buxifolia, Mangifera indica, Machilus* sp., *Morus alba, Palaquium formosanum, Podocarpus macrophylla, Persea gratissima, Psidium gujava, Sapium sebiferum, Ternastremia japonica.*

Locality record : Taipei, Hsintien, Tungshih, Puli, Chiayi, Kuantzulineg, Tainan, Lanhsu.

Genus ***Kuwanaia*** Lindinger 1953

Ztschr. der Wien. Ent. Gesell. 28 : 221. Type : *Sasakia quercus* Kuwana 1902.

Syn. : *Sasakia* Kuwana 1902, *Kuwania* Cockerell 1903.

K. quercus (Kuwana 1902)

Proc. Calif. Ac. Sci. 3, 3 : 47, figs., 4, 8, *Sasakia.*

Host : *Cyclobalanopsis glauca.*

Locality record : Taiwan.

Genus ***Lecaniodrosicha*** Takahashi 1930

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 48 : 29. Type : *Lecaniodrosicha lithocarpi* Takahashi 1930.

L. lithocarpi Takahashi 1930

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 48 : 30.

Host : *Lithocarpus* sp.

Locality record : Erhshui.

Family ORTHEZIDAE

Genus ***Orthezia*** Bosc d'Antic 1784

Jour. de Phys. 24 (1) : 171—173. Type : *Orthezia characias* Bosc d'Antic 1784 =*Aphis urticae* Linnaeus 1758.

Syn. : *Cyphoma* Gistel 1848, *Douglasiella* MacGillivray 1921, *Douglasia* Green 1902.

O. yasushii Kuwana 1923

Imp. Plant Quar. Stat. Japan. Bull. 3 : 58, fig.

Host : *Artemisia.*

Locality record : Kaohsiung.

Family PSEUDOCOCCIDAE

Genus ***Antonina*** Signoret 1879

Ann. Soc. Ent, France (Ser. 5) 5 : 24 ; Kuwana 1932 Dobuts Zasshi Tokyo 44 : 213—220, 2 figs ; Ferris 1953 Atlas Scale Insects N. Amer. 6 : 289. Type : *Antonia purpurea* Signoret 1872.

Syn. : *Laboulbenia* Lichtenstein 1877, *Serrolecanium* Shinji 1935.

A. bambusae (Maskell 1892)

Trans. N. Z. Inst. 25 : 237, *Sphaerococcus* ; Ferris 1921 Bull. Ent. Soc. 12 : 211 ; Takahashi 1928 Philip. J. Sci. 36 : 339 ; 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 45.

Host : Bamboo.

Locality record : Taipei, Peitau, Shihlin, Chushan, Puli, Chiayi, Kangshan.

A. crawi Cockerell 1900

Psyche 9 : 70 ; Takahashi 1928 Philip. J. Sci. 36 : 338 ; 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 44.

Syn. : *Antonina socialis* Newstead 1901.

Host : Bamboo.

Locality record : Taipei. .

A. indica Green 1908

Mem. Dept. Agr. India Ent. Ser. 2 : 27 ; Takahashi 1928 Philip. J. Sci. 36 : 33 ; 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 44.

Host : *Phragmites.*

Locality redord : Taipei.

Genus ***Dysmicoccus*** Ferris 1950

Atlas Scale Insects N. Amer. 5 : 53. Type : *Dactylopius brevipes* Cockerell 1893.

D. boninsis (Kuwana 1909)

Jour. N. Y. Ent. Soc. 17 : 161—162 ; Ferris 1950 Atlas Scale Insects N. Amer. 5 : 57 ; *Dysmicoccus*

Host : *Saccharum officinarum.*

Locality record : Taiwan.

D. brevipes (Cockerell 1893)

Entomologist 26 : 267, *Dactylopius* ; Takahashi 1928 Philip. J. Sci. 36 : 330, *Pseudococcus* ; 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 34.

Host : *Ananas comosus.*

Locality record : Shilin, Chiayi, Kaohsung, Fengshan.

Genus ***Ferrisiana*** Takahahsi 1929

Trans. N. H. Soc. Formosa 19 : 429. Type : *Dactylopius virgatus* Cockerell 1893.

Syn. : *Ferrisia* Fullaway 1923.

F. virgata (Cockerell 1893)

Entomologist 26 : 178, *Dactylopius virgatus* ; Ferris 1921 Bull. Ent. Res. 12 : 211, *Pseudococcus virgatus* ; Takahashi 1928 Philip. J. Sci. 36 : 335, *Ferrisia virgata* ; 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 39.

Syn. : *Dactylopius ceriferus* Newstead 1895, *D. talini* Green 1896, *Pseudococcus marchali* Vayssiere 1912, *P. bicaudatus* Keuchenis 1915, *P. dasylirii* Cockerell 1896.

Hosts : *Acalypha* sp., *Allophylus timorensis, Anona squamosa, Artocarpus integrifolia, Bauhinia* sp., *Bombax malapabricum, Calliandra haematocephala, Casuarina equisetifvlla, Citrus* spp., *Coffea arabica, Codiaeum veriegatung, Eugenia javanica, Euphoribia pulcherrima, Ficus retusa, Inocarpus doulis, Camellia japonica, Nerium odorum, Persea gratissima, Plumeria acutifolia, Psidium guyava, Panica grantum.*

Locality record : Taipei, Tungshih, Fengyuan, Changhua, Tainan, Kaohsiung, Henchun, Taitung, Hualen.

Genus ***Formicoccus*** Takahashi 1928

Trans. Nat. Hist. Soc. Formosa 18 : 253, fig. Type : *Formicoccus cinnamomi* Takahashi 1928.

F. cinnamomi Takahashi 1928

Trans. Nat. Hist. Soc. Formosa 18 : 253, fig. ; Ferris 1955 Microentomology 20 : 4, figs.

Host : *Cinnamomum camphor.*

Locality record : Taipei, Hsintien, Peitau.

F. schimae Takahashi 1929

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 40, figs.

Host : *Schima noranhae.*

Locality record : Shuishe.

Genus ***Heterococcus*** Ferris 1918

Standford Univ. Publ. Univer. Ser. 78 : 34, 65. Type : *Heterococcus arenae* Ferris 1918.

H. pulverarius (Newstead 1892)

Ent. Mon. Mag. 28 : 145, *Ripersia pulveraria.*

Syn. : *Heterococcus graminicola* Morrison 1945, *H. variabilis* Schmutterer 1938, *Phenacoccus nudus* Green 1929.

Host : *Pleioblastus* sp.

Locality record : Nengkao, Meifeng.

Genus ***Kiritshenkella*** Borchsenius 1948

C. R. Acad. Sci. URSS (N. S.) 63 : 583 ; 1960 Ent. Obozr. 39 : 937, 938. Type : *Kiristhenkellea stataria* Borchsnius 1948

K. cellulosa (Hall 1923)

Minist Agr. Egypt Tech. Serv. Bull. 36 : 7, *Ripersia* ; Takahashi 1928 Philip. J. Sci. 36 : 333 ; 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 40 ; Ezzat 1963 Bull. Soc. Ent. Egypt. 46 : 152, fig. redescription.

Syn. : *Trionymus miscanthi* Takahashi 1928 nec Cockerell 1903.

Hosts : *Bambusa, Miscanthus sinensis.*

Locality record : Taipei,

Genus ***Miscanthicoccus*** Takahashi 1957

Bull.. Univ. Osaka Pref. (B) 7 : 6, figs. Type : *Trionymus miscanthi* Takahashi 1928

M. miscanthi (Takahashi 1928)

Philip. J. Sci. 36 : 333, fig., *Trionymus* ; 1957 Bull. Univ. Osaka Pref. (B) 7 : 6, figs., *Miscanthicoccus.*

Host : *Miscanthus* sp.

Locality record : Taipei.

Genus ***Neoripersia*** Kanda 1943

Kansai Ent. Soc. Trans. 12 : 49—50.

N. miscanthicola (Takahashi 1937)

Mushi 9 : 70, *Trionymus* ; 1957 Bull. Univ. Osaka Pref. (B) 7 : 7 *Neoripersia.*

Host : *Miscanthus* sp.

Locality record : Taipei, Hsintien.

Genus ***Nipaecoccus*** Sulc 1945

Acta Soc. Sci. Nat. Norav. 17, 3 : 1, figs. Type : *Pseudococcus nipae* Maskell 1892.

Syn : *Elizaehtiella* Borchsenius 1947.

N. filamentosus (Cockerell 1893)

Entomologist 26 : 268, *Pseudococcus* ; Ferris 1921 Bull. Ent. Res. 12 : 211 ; Takahashi 1928 Philip. J. Sci. 36 : 330 ; 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 35.

Hosts : *Artocarpus integrifolia* , *Broussonetia pypyridera, Camellia chinensis, Carissa carandas, Citrus* spp., *Coffea arabica, Eugenia javanica, Ficus retusa, Gardenia florida, Musaenda luteola, Nerium odorum, Zizyphus* sp.

Locality record : Taipei, Ilan, Chiayi, Pingtung.

Genus ***Phenacoccus*** Cockerell 1893

Ent. News 4 : 318 ; Kanda 1935 Dobuts Zasshi 47 : 278 ; 1943 Trans. Kansai Ent. Soc. 12, 2 : 142-149 ; Ferris 1950 Atlas Scale Ins. N. Amer. 5 : 120. Type : *Pseudococcus aceri* Signoret 1875.

Syn. : *Paroudablis* Cockerell 1900, *Graminococcus* Kiritschenko 1940, *Penkinococcus* Sulc 1944, *Tetrura* Lichtenstein 1882.

P. asteri Takahashi 1932

J. Soc. Trop. Agr. Formosa 4 : 43, figs.

Host : *Aster laurureanus.*

Locality record : Taipei.

P. bambusae Takahashi 1930

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 48 : 6, figs.

Host : Bamboo.

Locality record : Shuishe, Chishan.

P. fici Takahashi 1940

Mushi 13 : 21, figs.

Host : *Ficus* sp.

Locality record : Ouluanpi.

Genus ***Pilococcus*** Takahashi 1928

Trans. Nat. Hist. Soc. Formosa 18 : 257. Type : *Pilococcus miscanthi* Takahashi

1928.

P. miscanthi Takahashi 1928

Trans. Nat. Hist. Soc. Formosa 18 : 257, figs., 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 40.

Hosts : *Miscanthus sinensis, M.* sp.

Locality record : Wulai, Hsintien, Chushan, Kenting.

Genus ***Planococcus*** Ferris 1950

Atlas Scale Insects N. Amer. 5 : 164. Type : *Dorthesia citri* (Risso 1813)

P. citri (Risso 1813)

Essai Hist. Nat. Des Oranges, *Dorthesia* ; Ferris 1921 Bull. Ent. Res. 12 : 211, *Pseudococcus* ; Takahashi 1928 Philip. J. Sci. 36 : 329 ; 1929 Dept. Agr. . Gov't. Res. Inst. Formosa Rept. 40 : 33 ; Lin. 1972 Bur. Comm. Inspec. and Quar. Minist. Econ. Aff : 16.

Syn. : *Lecanium phyllococcus* Ashmead 1879, *Dactyolpius destructor* Comstock 1881, *Dactyolpius brevispinus* Targioni-Tozzetti 1881.

Hosts : *Acacia confusa, Amaryllis* sp., *Artocarpus altilis, A. integrifolia, Bryophyllum calycinum, Blumea balsamifera, Calathea tubispatha, Camellia chinensis, Carludovica palmata, Citrus* spp., *Clausena wampi, Codiaeum variegatume, Ixora chiennsis, Lespedeza* sp., *Michelia fuscata, Morus alba, Musa sp. Passiflora edulis, Persea gratissima, Physostegia virginia Tectona grandis, Tetrapanax papyrifera.*

Locality record : Taipei, Peitau, Puli, Chiayi, Hsinhua, Pingtung, Hunchun, Hualien, Taitung.

P. kranuliae (Kuwana 1906)

Pap. Calif. Ac. Sci. 3 : 55, figs. 39, 40, *Dactylopius* ; Ferris 1950 Atlas Scale Insects. N. Amer 5 : 168, fig. *Planococcus*,

Hosts : Coffee, *Casuarina stricta, Artocarpus lanceolata.*

Locality record : Taipei, Kaohsiung, Pingtung.

P. lilacinus (Cockerell 1905)

Proc. Davenport Acad. Sci. 10 : 128, *Pseudococcus* ; Takahashi 1928 Philip. J. Ser. 36 : 330 ; 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 35.

Syn. : *Dactyolpius crotonis* Green 1905, *Tyolcoccus mauritiensis* Mamet 1939.

Hosts : *Acacia confusa, Anona reticulata, Areca oleracea, Artocarpus altilis, A. integrifolia, Bauhinia purparea, Callicarpa formosana, Citrus* spp., *Codiaeum variegatum, Erythrina* sp., *Eugenia jambos, E. javanica, Gardenia florida, Heritiera littoralis, Macaranga dipterocarpifolia, M.* sp., *Mallotus japonicus, M.* sp., *Rhododendron* sp., *Tamarindus indicus, Tectona grandis, Terminalia* sp.

Locality record : Taipei, Peitau, Hsintien, Taichung, Puli, Chiayi, Toko, Kenting, Hualien, Lanhsu.

Genus ***Pseudococcus*** Westwood 1840

Introd. Class. Insects 2 : 118 as *Pseudococcus* ; 445. Type : *Coccus aonidum* Linnaeus 1767=*longispinus* Targioni-Tozzetti 1868.

P. aonidum Westwood 1839

Mon. Class. Insect. 1, symp. : 118 ; Takahashi 1928 Philip. J. Sci. 36 : 330 ; 1929 Dept. Agr. Gov't. Res. Inst. Formosa, Rept. 40 : 34.

Syn. : *Pseudococcus longispinus* Targioni-Tozzetti 1862

Hosts. : *Areca catechu, Calophyllum inophyllum, Citrus* spp., *Ficus retusa, Gardenia florida, Helicio cochinchinensis, Magnolia* sp., *Prunus communis, Psidium guyava,*

Locality record : Tanshui, Taipei, Hsinhua, Yuechih, Pintung, Kenting.

P. comstocki (Kuwana 1902)

Pap. Calif. Ac. 3, pl. 9, P : 52, figs. 34, 35, *Dactylopius* ; Ferris 1921 Bull. Ent. Res. 12 : 21 ; Lin. 1972 Bur. Comn. Insp. and Quar. Min. Econ. Aff. 6.

Hosts : *Pandanus* sp., *Ficus retusa*, *Psidium* sp, *Gardenia* sp, *Callophyllum inophyllum*, *Brusssonetia papyrifera*, *Citrus* spp. *Chrysalidocarpus lutescens Syzygium jambos.*

Locality record : Taipei, Peitau, Changhua, Chiayi, Kaohsiung, Hualien.

P. bambusicola Takahashi 1930

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 48 : 1, fig.

Host : Bamboo.

Locality record : Erhshui.

P. chipponensis Takahashi 1939

Mushi 12 : 86, fig.

Host. Citrus root.

Locality record : Chihpen.

P. macarangae Takahashi 1940

Mushi 13 : 18, figs.

Hosts : *Macaranga tanarius*, *Mallotus* sp.

Locality record : Ouluanpi, Hualien.

P. saccharicola Takahashi 1928

Philip. J. Sci. 36 : 331, fig. ; 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 34.

Host : *Saccharum officinarum.*

Locality record : Tainan.

P. shintensis Takahashi 1934

Dept. Agr. Gov't. Res. Inst · Formosa Rept. 63 : 2.

Host : Graminae.

Locality record : Hsintien.

Genus ***Puto*** Signoret 1875

Ann. Soc. Ent. France 5, 5 : 394. Type : *Putonia antennata* Signoret 1875.

Syn. : *Putonia* Signoret 1875, *Ceroputo* Sulc 1898, *Macrocerococcus* Leonardi 1907.

P. mangiferae (Green 1896)

Coccidae Ceylon : 393, pl. 164, *Phenacoccus* ; Takahashi 1929 Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 44, *Puto.*

Host : *Bladhia* sp.

Locality record : Shihlin.

Genus ***Ripersia*** Signoret 1875

Ann. Soc. Ent. France 5, 5 : 335. Type : *Ripersia corynephori* Signoret 1875.

Syn. : *Mizococcus* Takahashi 1928.

R. takahashii Lindinger 1932

Konowia 11 : 203 n. n. for *sacchari* Takahashi 1928 ; Takahashi 1928 Philip. J. Sci. 36, fig. *Mizococcus sacchari.*

Syn. : *Mizococus sacchari* Takahashi 1928

Hosts : *Saccharum officinarum*, *Miscanthus* sp.

Locality record : Taichung, Pingtung.

Genus ***Saccharicoccus*** Ferris 1950

Atlas Scale Insects N. Amer. 5 : 21, 216. Type : *Dactylopius sacchari* Cokerell. 1895

S. sacchari (Cockerell 1895)

J. Trin. Nat. Club 2 : 195, *Dactylopius*

Syn. : *Trionymus paregrandis* James 1936

Host : *Saccharum officinarum.*

Locality record : Taipei, Peitau, Taichung, Puli, Hsinhua, Hunchun, Hualien.

Genus ***Trionymus*** Berg 1899

Mus Nac. de Buenos Aires Comun. 1 : 178. Type : *Westwoodia perrisii* Signoret 1875.

Syn. : *Westwoodia* Signoret 1875, *Signoretia* Kratz 1888, *Volnicoccus* Goux 1945, *Bergrothiella* Rather 1898, *Bergro-*

thula Strand 1928.

T. diminutus (Leonardi 1917)

Boll. Lab. Portici 12 : 198, figs., *Pseudococcus*

Hosts : *Miscanthus* sp., *Saccharum officinarum.*

Locality record : Miaoli, Puli, Taitung.

T. formosanus Takahsshi 1930

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 48 : 4.

Host : Bambusa shoot sheath.

Locality record : Taipei, Chiayi.

T. latus Takahashi 1929

Dept. Agr. Gov't. Res. Inst. Formosa Rept. 40 : 47.

Hosts : *Miscanthus sinensis, Schima.*

Locality record : Hsintien, Shuishe.

T. taiwanus Takahashi 1932

J. Soc. Trop. Agr. Formosa 4 : 4, figs.

Hosts : *Oryza sativa, Ananas comosus.*

Locality record : Taipei, Lopei.

Host Plant Index of Scale Insects of Taiwan, R. O. C.

Abies kawakamii (Pinaceae)
- Lepidosaphes nivalis Takagi 1970

Acacia confusa (Leguminosae)
- Coccus elongatus (Signoret 1873)
- Icerya purchasi (Maskell 1878)
- Planecoccus citri (Risso 1813)
- Planococcus lilacinus (Cockerell 1905)

Acalypha kotoensis (Euphorbiaceae)
- Chionaspis vitis (Green 1896)

Acalypha sp. (Euphorbiaceae)
- Ferrisiana virgata (Cockerell 1893)

Acer kawakamii (Aceraceae)
- Aulacaspis aceris Takahashi 1935
- Aulacaspis tubercularis Newstead 1906

Acer sp. (Aceraceae)
- Chionaspis sozanica Takahashi 1933
- Parlatoria crotonis Douglas 1887

Achras zapota (Sapotaceae) *
- Aspidiotus destructor Signoret 1869
- Coccus viridis (Green 1889)

Actinidia arisanensis (Actinidiaceae)
- Aulacaspis actinidae Takagi 1970
- Hemiberlesia rapax (Comstock 1881)

Actinodaphne mushaensis (Lauraceae)
- Aulacaspis actinodaphnes Takagi 1970
- Paracardicoccus actinodaphnis Takahashi 1935

Actinodaphne pedicellata (Lauraceae)
- Dinaspis taiwana Takahashi 1936

Actinodaphne sp. (Lauraceae)
- Aulacaspis yabunikkei Kuwana 1926

Adiantum sp. (Polypodiaceae)
- Saissitia hemisphaerica (Targioni-Tozzetti 1867)

Adinandra lasiostyla (Camelliaceae)
- Pinnaspis liui Takagi 1970

Adinandra millettii (Camelliaceae)
- Pinnaspis uniloba (Kuwana 1909)

Aegle marmelos (Rutaceae)
- Coccus viridis (Green 1889)

Aegle sepiaria (Rutaceae)
- Saissetia formicarii (Green 1896)

Agave rigida (Amaryllidaceae)
- Coccus hesperidum Linnaeus 1758

Agave sp. (Amaryllidaceae)
- Coccus hesperidum Linnaeus 1758

Aglaia formosana (Meliaceae)
- Eucalymnatus tessellatus (Signoret 1873)

Aglaia odorata (Meliaceae)
- Saissetia formicarii (Green 1896)

Allophylus timorensis (Sapindaceae)
- Ferrisiana virgata (Cockerell 1893)

Ananas comosus (Bromeliaceae) *
- Diaspis bromeliae (Kennicott 1778)
- Dysmicoccus brevipes (Cockerell 1893)
- Trionymus taiwanus Takahashi 1932

Annona montana (Annonaceae) *

*exotic plant species.

Coccus elongatus (Signoret 1873)
Icerya aegyptica (Douglas 1890)

Annona reticulata (Annonaceae) *
Planococcus lilacinus (Cockerell 1905)

Annona sp. (Annonaceae) *
Saissetia hemisphaerica (Targioni-Tozzetti 1867)

Annona squamosa (Annonaceae) *
Aspidiotus destructer Signoret 1869
Coccus elongatus (Signoret 1873)
Ferrisiana virgata (Cockerell 1893)

Ardisia crispa (Myrsinaceae)
Saissetia hemisphaerica (Targioni-Tozzetti 1867)

Ardisia japonica (Myrsinaceae)
Aonidiella aurantii (Maskell 1878)

Ardisia quinquegona (Myrsinaceae)
Saissetia hemisphaerica (Targioni-Tozzetti 1867)
Saissetia nigra (Nietner 1861)

Ardisia sieboldii (Bladhia) (Myrsinaceae)
Aonidiella citrina (Coquillett 1891)
Aonidiella messengeri McKenzie 1953
Aulacaspis robusta Takahashi 1931
Hemiberlesia lataniae (Signoret 1869)
Parainsulaspis bladhiae (Takahashi 1931)
Saissetia formicarii (Green 1896)
Tachardina theae Green and Mann 1907

Ardisia sp. (Bladhia) (Myrsinaceae)
Coccus acuminatus (Signoret 1873)
Parainsulaspis kamakurensis (Kuwana 1925)
Pseudococcus mangiferae (Green 1896)

Areca catechu (Palmae) *
Chrysomphalus ficus Ashmead 1880
Coccus elongatus (Signoret 1873)
Icerya seychellarum (Westwood 1855)
Pseudococcus aonidum (Westwood 1839)
Saissetia nigra (Nietner 1861)

Areca oleracea (Palmae)
Coccus hespersidum Linnaeus 1758
Planococcus lilacinus (Cockerell 1905
Saissetia formicarii (Green 1896)

Arenga engleri (Palmae)
Fiorinia arengae Takahashi 1934
Fiorinia taiwana Takahashi 1934
Parlatoria arengae Takagi 1969

Artabotrys uncinatus (Anonaceae)
Chrysomphalus ficus Ashmead 1880

Artemisia capillaris (Compositae)
Ceroplastes ceriferens (Anderson 1791)
Icerya purchasi (Maskell 1878)
Saissetia nigra (Nietner 1861)

Artemisia sp. (Compositae)
Orthezia yasushii Kuwana 1923

Artocarpus altilis (Moraceae)
Icerya aegyptica (Douglas 1890)
Planococcus citri (Risso 1813)
Planococcus lilacinus (Cockerell 1905)

Artocarpus integrifolia (Moraceae)
Coccus acutissimus (Green 1896)
Ferrisiana virgata (Cockerell 1893)
Icerya aegyptica (Douglas 1890)
Nipaecoccus filamentosus (Cockerell 1893)
Planococcus citri (Risso 1813)
Planococcus lilacinus (Cockecell 1905)
Pseudaonidia trilobitiformis (Green 1896)
Pulvinaria psidii Maskell 1892
Saissetia formicarii (Green 1896)

Artocarpus sp. (Moraceae)
Ceroplastes floridensis Comstock 1881

Arundo formosana (Bambusaceae)
Duplachionaspis divergens (Green 1899)
Nikkoaspis hichiseiana (Takahashi 1934)

Aspidistra lurida (Liliaceae)
Pinnaspis aspidistrae (Signoret 1869)
Asplenium nidus (Polypodiaceae)
Pinnaspis aspidistrae (Signoret 1869)
Aster laurureanus (Compositae)
Phenacoccus asteri Takahashi 1932
Averrhoa carambola (Oxalidaceae)
Laccifer greeni (Chamberlin 1923)
Bamboo (Bambusaceae)
Acanthomytilus vermiformis (Takahashi 1930)
Antonina bambusae (Maskell 1892)
Antonina crawi Cockerell 1900
Asterolecanium miliaris var. rubsutum Green 1908
Asterolecanium pseudomilliaris Green 1922
Eriococcus transversus Green 1922
Formosaspis formosanus (Takahashi 1931)
Formosaspis takahashii Lindinger 1932
Greenaspis bambusifoliae (Takahashi 1930)
Greenaspis elongata (Green 1899)
Kuwanaspis bambusifoliae (Takahashi 1934)
Kuwanaspis elongata (Takahashi 1930)
Kuwanaspis formosana (Takahashi 1930)
Kuwanaspis neolinearis (Takahashi 1930)
Kuwanaspis pasudoleucaspis (Kuwana 1902)
Mixaspis babmusicola (Takahashi 1930)
Phenacoccus babmusae Takahashi 1930
Poliaspoides formosana (Takahashi 1930)
Pseudococcus bambusicola Takahashi 1930
Bambusa sp. (Bambusaceae)
Asterolecanium bambusae (Boisduvoal 1869)
Asterolecanium bambusicola Kuwana 1916
Asterelecanium pseudolanceolatum Takahashi 1933
Kiritshenkella cellulosa (Hall 1923)
Trionymus formosanus Takahashi 1930
Bambusa oldhamii (Bambusaceae)
Kuwanaspis vermiformis (Tahahashi 1931)
Bambusa stenostachya (Bambusaceae)
Asterolecanium bambusae (Boisduval 1869)
Asteroecanium coronatum Green 1909
Asterolecanium minutum Takahashi 1930
Kuwanaspis amandalei (Green 1919)
Kuwanaspis vermiformis (Takahashi 1931)
Odonaspis pencillata Green 1905
Odonaspis secreta (Cockerell 1890)
Bauhinia alba (Caesaldpiniaceae)
Coccus hesperidum Linnaeus 1758
Bauhinia purpurea (Caesalpiniaceae)
Planococcus lilacinus (Cockerell 1905)
Bauhinia sp. (Caesalpiniaceae)
Ferrisiana virgata (Cockerell 1893)
Beilschmiedia erythrophloria (Lauraceae)
Aspidiotus destructor Signoret 1869
Bischofia javanica (Euphorbiaceae)
Pseudaulacaspis cockerelli (Cooley 1897)
Saissetia formicarii (Green 1896)
Saissetia hemisphaerica (Targioni-Tozzetti 1867)
Saissetia nigra (Nietner 1861)
Blumea balsamifera (Compositae)
Planococcus citri (Risso 1813)
Bobua arisanensis (Symplocaceae)
Saissetia bobuae Takahashi 1935
Boehmeria densiflora (Urticaceae)
Parlatoria fluggeae Hall 1929

Pinnaspis hibisci Takagi 1970

Boehmeria sp. (Urticaceae)
Pulvinaria maxima Green 1904

Bombax malabaricum (Bombacaceae)
Ferrisiana virgata (Cockerell 1893)

Bridelia sp. (Euphorbiaceae)
Pseudaulacaspis brideliae (Takahashi 1933)

Broussonetia papyrifera (Moraceae)
Nipaecoccus filamentosus (Cockerell 1893)

Bryophyllum calycinum (Crassulaceae)
Lindingaspis rossi (Maskell 1890)
Planococcus citri (Risso 1813)

Buchanania arborescens (Anacardiaceae)
Fiorinia fioriniae (Targioni-Tozzetti 1867)

Buxus japonicus (Buxaceae)
Chrysomphalus ficus Ashmead 1880

Cajanus cajan (Leguminosae)
Laccifer lacca (Kerr 1982)

Calanthe sp. (Orchidaceae)
Saissetia hemisphaerica (Targioni-Tozzetti 1867)

Calathea tubispatha (Marantaceae) *
Planococcus citri (Risso 1813)

Calliandra haematocephala (Leguminosae)
Coccus elongatus (Signoret 1873)
Ferrisiana virgata (Cockerell 1893)
Laccifer greeni (Chamberlin 1923)

Callicarpa formosana (Verbenaceae)
Coccus hesperidum Linnaeus 1758
Planococcus lilacinus (Cockerell 1905)
Saissetia formicarii (Green 1896)

Calophyllum inophyllum (Guttiferae)
Ceroplastes floridensis Comstock 1881
Ceroplastes rubens Maskell 1892
Chrysomphalus ficus Ashmead 1880
Coccus elongatus (Signoret 1873)
Coccus hesperidum Linnaeus 1758
Eucalymnatus tessellatus (Signoret 1873)
Lindingaspis ferrisi McKenzie 1950
Lindingaspis rossi (Maskell 1890)
Parlatorias camelliae Comstock 1883
Pseudaonidia trilobitiformis (Green 1896)
Pseudococcus aonidum (Westwood 1839)
Pseudococcus comstocki (Kuwana 1902)
Saissetia nigra (Nietner 1861)
Saissetia oleae (Bernard 1782)

Camellia chinensis (sinensis) (Camelliaceae)
Aspidiotus destructor Signoret 1869
Cerococcus ficoides Green 1899
Ceroplastes ceriferens (Anderson 1791)
Ceroplastes floridensis Comstock 1881
Chrysomphalus ficus Ashmead 1880
Eriochiton theae Green 1900
Hemiberlesia cyanophylli (Signoret 1869)
Nipaecoccus filamentosus (Cockerell 1893)
Pinnaspis aspidistrae (Signoret 1869)
Pinnaspis theae (Maskell 1891)
Planococcus citri (Risso 1813)
Saissetia formicarii (Green 1896)
Saissetia hemisphaerica (Targioni-Tozzetti 1867)
Selanomphalus euryae (Takahashi 1931)
Tachardina theae Green and Mann 1907

Camellia japonica (Camelliaceae)
Aspidiotus destructor Signoret 1869
Coccus hesperidum Linnaeus 1758
Chrysomphalus ficus Ashmead 1880
Ferrisiana virgata (Cockerell 1893)
Fiorinia fioriniae (Targioni-Tozzetti 1867)
Hemiberlesia cyanophylli (Signoret

1869)
Parlatoria pergandei Comstock 1881
Pinnaspis uniloba (Kuwana 1909)
Pinnaspis theae (Maskell 1891)
Pseudaonidia trilobitiformis (Green 1896)
Saissetia formicarii (Green 1896)

Camellia sp. (Camelliaceae)
Fiorinia minor Maskell 1897
Parlatoria mytilaspiformis Green 1899
Pseudaulacaspis cockerelli (Cooley 1897)

Carica papaya (Caricaceae) *
Aonidiella inornata McKenzie 1938
Aspidiotus destructor Signoret 1869
Coccus elongatus (Signoret 1873)
Coccus hesperidum Linnaeus 1758

Carissa carandas (Apocynaceae)
Chrysomphalus ficus Ashmead 1880

Carissa caranduas (Apocynaceae) *
Ceroplastes floridensis Comstock 1881
Coccus viridis (Green 1889)
Lepidosaphes gloveri (Packard 1869)
Nipaecoccus filamentosus (Cockerell 1893)
Saissetia hemisphaerica (Targioni-Tozzetti 1867)

Carludovica palmata (Cyclanthaceae) *
Planococcus citri (Risso 1813)

Castanopsis kusanoi (Fagaceae)
Andaspis crawii (Cockerell 1896)
Afiorinia hirashimai Takagi 1970
Neoparlatoria miyamotoi Takagi 1969

Castanopsis sp. (Fagaceae)
Neoparlatoria lithocarpicola Takahashi 1931
Neoparlatoria maai Takagi 1969

Casuarina equisetifolia (Casuarinaceae) *
Coccus elongatus (Signoret 1873)
Ferrisiana virgata (Cockerell 1893)
Icerya purchasi (Maskell 1878)

Cannna indica (Cannaceae)
Saissetia nigra (Nietner 1861)

Celtis sinensis (chinensis) (Ulmaceae)
Fiorinia minor Maskell 1897
Hemiberlesia cyanophylli (Signoret 1869)
Lepidosaphes takaoensis Takahashi 1935

Celtis sp. (Ulmaceae)
Icerya aegyptica (Douglas 1890)

Chamaecyparis formosensis (Cupressaceae)
Lepidosaphes yoshimotoi Takagi 1970

Chrysalidocarpus lutescens (Palmae) *
Aspidiotus destructor Signoret 1869
Fiorinia taiwana Takahashi 1934
Parlatoria proteus (Curtis 1843)

Chrysophyllum cainito (Saptoaceae)
Icerya seychellarum (Westwood 1855)
Pulvinaria psidii Maskell 1892
Saissetia hemisphaerica (Targioni-Tozzetti 1867)
Saissetia nigra (Nietner 1861)

Cinchona sp. (Rubiaceae) *
Saissetia hemisphaerica (Targioni-Tozzetti 1867)

Cinnamomum camphor (Lauraceae)
Aulacaspis yabunikkei Kuwana 1926
Chrysomphalus ficus Ashmead 1880
Formicoccus cinnamomi Takahashi 1928
Saissetia formicarii (Green 1896)

Cinnamomum erythrophloria (Beilschmidia) (Laruaceae)
Chionaspis machilicola (Takahashi 1935) var. cinnamomicola Takahashi 1935

Cinnamomum kanehirai (Lauraceae)
Eucornuaspis machili (Maskell 1898)

Cinnamomum reticulatum (Lauraceae)
Aulacaspis greeni Takahashi 1934

Cinnamomum sp. (Lauraceae)
Aspidiotus destructor Signoret 1869

Aonidia tentaculata Green var. formosana Takahashi 1935
Aulacaspis greeni Takahashi 1934
Chionaspis machili (Takahashi 1931)
Fiorinia fioriniae (Targioni-Tozzetti 1867)
Neoplatylecanium cinnamomi Takahashi 1929
Paralecaninum machili Takahashi 1933

Cinnamomum zeylanicum (Lauraceae) *
Ceroplastes rubens Maskell 1892
Eucalymnatus tessellatus (Signoret 1873)
Saissetia formicarii (Green 1896)
Silvestraspis uberifera (Lindinger 1911)

Citrus spp. (Rutaceae)
Aonidiella aurantii (Maskell 1878)
Aonidiella citrina (Coquillett 1891)
Aspidiotus destructor Signoret 1869
Ceroplastes ceriferens (Anderson 1791)
Ceroplastes floridensis Comstock 1881
Ceroplastes rubens Maskell 1892
Chrysomphalus dictyospermi (Morgan 1889)
Chrysomphalus ficus Ashmead 1880
Coccus elongatus (Signoret 1873)
Coccus hesperidum Linnaeus 1758
Coccus mangiferae (Green 1889)
Coccus viridis (Green 1889)
Ferrisiana virgata (Cockerell 1893)
Fiorinia proboscidaria Green 1900
Fiorinia theae Green 1900
Icerya purchasi Maskell 1878
Icerya seychellarum (Westwood 1855)
Lepidosaphes beckii (Newman 1869)
Lepidosaphes gloveri (Packard 1869)
Lindingaspis ferrisi McKenzie 1950
Nipaecoccus filamentosus (Cockerell 1893)
Parlatoria cinerea Hadden 1909
Parlatoria pergandei Comstock 1881
Parlatoria proteus (Curtis 1843)
Parlatoria zizyphi Lucas 1853
Planococcus citri (Risso 1813)
Planococcus lilacinus (Cockerell 1905)
Pseudaonidia trilobitiformis (Green 1896)
Pseudococcus aonidum (Westwood 1839)
Pseudococcus chipponensis Takahashi 1939
Pseudococcus comstocki (Kuwana 1902)
Pulvinaria polygonata Cockerell 1905
Pulvinaria psidii Maskell 1892
Saissetia hemisphaerica (Targioni-Tozzetti 1867)
Saissetia nigra (Nietner 1861)

Clausena lunulata (Rutaceae)
Coccus viridis (Green 1889)

Clausena wampi (Rutaceae)
Planococcus citri (Risso 1813)

Clerodendrun inerme (Verbenaceae)
Aspidiotus excisus Green 1896

Cleyera japonica var. morii (Camelliaceae)
Aonidiella citrina (Coquillett 1891)
Pinnaspis uniloba (Kuwana 1909)

Cleryera japonica var. japonica (Camelliaceae)
Chrysomphalus ficus Ashmead 1880
Pinnaspis uniloba (Kuwana 1909)

Cocos nucifera (Palmae) *
Aspidiotus destructor Signoret 1869
Chrysomphalus ficus Ashmead 1880
Coccus elongatus (Signoret 1873)
Coccus hesperidum Linnaeus 1758
Eucalymnatus tessellatus (Signoret 1873)
Hemiberlesia cyanophylli (Signoret 1869)
Hemiberlesia lataniae (Signoret 1869)

Lindingaspis rossi (Maskell 1890)

Codiaeum variegatum (Euphorbiaceae)
Coccus elongatus (Signoret 1873)
Ferrisiana virgata (Cockerell 1893)
Icerya aegyptica (Douglas 1890)
Lepidosaphes beckii (Newman 1869)
Lepidosaphes takaoensis Takahashi 1935
Lepidosaphes tokionis (Kuwana 1902)
Planococcus lilacinus (Cockerell 1905)
Saissetia nigra (Nietner 1861)

Coffea arabica (Rubiaceae) *
Coccus viridis (Green 1889)
Ferrisiana virgata (Cockerell 1893)
Nipaecoccus filamentosus (Cockerell 1893)
Planococcus citri (Risso 1813)
Pulvinaria psidii Maskell 1892
Saissetia hemisphaerica (Targioni-Tozzetti 1867)

Crotalaria (Leuguminosae)
Pseudaulacaspis pentagona (Targioni-Tozzetti 1855)

Cryptomeria japonica (Taxodiaceae)
Aspidiotus cryptomeriae Kuwana 1902

Cucurbita moschata (Cucurbitaceae) *
Saissetia hemisphaerica (Targioni-Tozzetti 1867)

Cudrania cochinchinensis (Moraceae)
Pseudaonidia tirlobotiformis (Green 1896)

Cunninghamia lanceolata (Taxodiaceae)
Saissetia hemisphaerica (Targioni-Tozzetti 1867)

Cupressus juniperinus (Cupressaceae)
Fiorinia pinicola Maskell 1897

Cycas revoluta (Cycadaceae) *
Aspidiotus destructor Signoret 1869
Eucornuaspis machili (Maskell 1898)
Chrysomphalus dictyospermi (Morgan 1889)
Chrysomphalus ficus Ashmead 1880
Hemiberlesia lataniae (Signoret 1869)
Lepidosaphes cycadicola Kuwana 1931
Saissetia hemisphaerica (Targioni-Tozzetti 1867)

Cycas sp. (Cycadaceae)
Aonidiella inornata McKenzie 1938
Chrysomphalus bifasciculatus Ferris 1938

Cyclobalanopsis glauca (Fagaceae)
Asterolecanium passaniae Kuwana and Cockerell 1909
Fiorinia taiwana Takahashi 1934
Kuwanaia quercus (Kuwana 1902)
Parainsulaspis glaucae (Takahashi 1932)

Cymbidium gyokuchin (Orchidaceae)
Aspidiotus destructor Signoret 1869

Cymbidium sinensis (Orchidaceae)
Hemiberlesia lataniae (Signoret 1869)
Parlatoria pergandei Comstock 1881
Parlatoria proteus (Curtis 1843)

Decaspermum fruticosum (Myrtaceae)
Fiorinia fioriniae (Targioni-Tozzetti 1867)

Dendrocalamus latiflorus (Bambusaceae)
Kuwanaspis vermiformis (Takahashi 1931)
Odonaspis pencillata Green 1905

Dendrobium moschatum (Orchidaceae)
Parlatoria crotonis Douglas 1887

Derris laxiflora (Leguminosae)
Coccus elongatus (Signoret 1873)

Dianellia ensifolia (Liliaceae)
Chrysomphalus bifaciculatus Ferris 1938

Diospyros discolor (Ebenaceae)
Aspidiotus destructor Signoret 1869
Ceroplastes floridensis Comstock 1881
Diaspis manni (Green 1906)
Hemiberlesia lataniae (Signoret 1869)
Pseudaulacaspis takahashii (Ferris 1955)

Saissetia formicarii (Green 1896)
Saissetia hemisphaerica (Tartioni-Tozzetti 1867)

Diospyros eriantha (Ebenaceae)
Lindingaspis rossi (Maskell 1890)

Diospyros kaki (Ebenaceae)
Saissetia formicarii (Green 1896)

Duranta repens (Verbenaceae) *
Pulvinaria durantae Takahashi 1931

Eleaegnus glabra (Elaeaganaceae)
Chionaspis vitis (Green 1896)

Elaeagnus lotoensis (Elaegaenaceae) = Elaeagnus macrophylla
Chionaspis vitis (Green 1896)

Elaeagnus sp. (Elaeagnaceae)
Aulacaspis difficilis (Cockerell 1896)

Elaeagnus thunbergii (Elaeagnaceae)
Chionaspis vitis (Green 1896)

Elaeocarpus elliptica (Elaeocarpaceae)
Protopulvinaria pyriformis (Cockerell 1894)

Elephantopus mollis (Compositae)
Aspidiotus excisus Green 1896

Ehretia sp. (Borraginaceae)
Coccus hesperidum Linnaeus 1758

Eriobotrya japonica (Rosaceae)
Ceroplastes floridensis Comstock 1881
Coccus hesperidum Linnaeus 1758
Icerya seychellarum (Westwood 1855)

Erythrina sp. (Papilionaceae)
Lepidosaphes tubulorum Ferris 1921
Planococcus lilacinus (Cockerell 1905)

Erythroxylum coca var. spruceanum (Erythroxylaceae)
Coccus elongatus (Signoret 1873)

Eucalyptus sp. (Myrtaceae) *
Saissetia formicarii (Green 1896)
Fiorinia fioriniae (Targioni-Tozzetti 1867)

Eugenia jambos (Myrtaceae) *
Ceroplastes rubens Maskell 1892
Coccus acutissimus (Green 1896)
Saissetia armataTakahashi 1930
Planococcus lilacinus (Cockerell 1905)

Eugenia javanica (Myrtaceae) *
Fiorinia fioriniae (Targioni-Tozzetti 1867)
Fiorinia proboscidaria Green 1900
Fiorinia theae Green 1900
Ferrisiana virgata (Cockerell 1893)
Icerya seychellarum (Westwood 1855)
Nipaecoccus filamentosus (Cockerell 1893)
Planococcus lilacinus (Cockerell 1905)
Saissetia formicarii (Green 1896)
Saissetia nigra (Nietner (1861)

Eugenia sp. (Myrtaceae) *
Decoraspis lahoarei (Takahashi 1931)

Eugenia uniflora (Myrtaceae) *
Saissetia hemisphaerica (Targioni-Tozzetti 1867)

Euonymus echinatus (Celastraceae)
Unaspis aei Takagi 1970

Euphoria longana (Sapindaceae) *
Ceroplastes rubens Maskell 1892
Coccus acutissimus (Green 1896)
Coccus hesperidum Linnaeus 1758
Eucalymnatus tessellatus (Signoret 1873)
Laccifer greeni (Chamberlin 1923)
Pulvinaria psidii Maskell 1892
Saissetia oleae (Bernard 1782)
Thysanofiorinia nephalii (Maskell 1898)

Euphorbia pulcherrima (Epuhorbiaceae)
Ferrisiana virgata (Cockerell 1893)

Eurya acuminata (Camelliaceae)
Pinnaspis liui Takagi 1970
Pseudaulacaspis cockerelli (Cooley 1897)
Pseudaulacaspis megacauda Takagi 1970

Eurya crenatifolia (Camelliaceae)
Lopholeucaspis japonica (Cockerell

1897)
Pseudaulacaspis cockerelli (Cooley 1897)

Eurya japonica (Camelliaceae)
Achionaspis kanoi Takagi 1970
Pinnaspis aspidistrae (Signoret 1869)
Pinnaspis frontalis Takagi 1970
Pinnaspis uniloba (Kuwana 1909)
Pseudaulacaspis cockerelli (Cooley 1897)

Eurya strigillosa (Camelliaceae)
Pinnaspis liui Takagi 1970
Pseudaulacaspis cockerelli (Cooley 1897)

Eurya sp. (Camelliaceae)
Fiorinia vaccini Kuwana var. hisakakii Takahashi 1936
Metaspidiotus stauntoniae (Takahashi 1933)
Parlatoria pergandei Comstock 1881
Selanomphalus euryae (Takahsahi 1931)

Evodia merrillii=Melicope confusa=roxburghiana (Rutaceae)
Chrysomphalus ficus Ashmead 1880
Pulvinaria neocellulosa Takahashi 1940

Evodia triphylla=Melicope awadan (Rutaceae)
Saissetia formicarii (Green 1896)

Excoecaria orientalis (Euphorbiaceae)
Pseudaulacaspis cockerelli (Cooley 1897)

Fagraea sp. (Potaliaceae)
Aulacaspis fagraeae (Green 1896)

Ficus beecheyana (Moraceae)
Aspidiotus destructor Signoret 1869
Pseudaulacaspis major (Cockerell 1894)

Ficus carica (Moraceae) *
Saissetia nigra (Nietner 1861)

Ficus cuspidatocaudata (Moraceae)
Parlatoria camelliae Comstock 1883
Pinnaspis shirozui Takagi 1970

Ficus elastica (Moraceae) *
Eucalymnatus tessellatus (Signoret 1873)
Pseudaonidia trilobitiformis (Green 1896)
Saissetia nigra (Nietner 1861)

Ficus foveolata (Moraceae)
Fiorinia formosensis Takahashi 1983
Ichthyaspis ficicola (Takahashi 1931)
Metaspidiotus stauntoniae (Takahashi 1933)
Parlatoria pergandei Comstock 1881

Ficus gibbosa (Moraceae)
Saissetia nigra (Nietner 1861)

Ficus leucantatoma (Moraceae)
Saissetia formicarii (Green 1896)

Ficus nervosa (Moraceae)
Fiorinia fioriniae (Targioni-Tozzetti 1867)
Ungulaspis ficicola (Takahashi 1932)

Ficus pumila (Moraceae)
Lindingaspis rossi (Maskell 1890)
Pseudaonidia trilobitiformis (Green 1896)

Ficus retusa=microcarpa (Moraceae)
Ceroplastes ceriferens (Anderson 1791)
Ceroplastodes chiton Green 1909
Chrysomphalus ficus Ashmead 1880
Coccus elongatus (Signoret 1873)
Drosicha maskelli Cockerell 1902
Ferrisiana virgata (Cockerell 1893)
Nipaecoccus filamentosus (Cockerell 1893)
Paralecanium expansum (Green 1896)
Parlatoria pergandei Comstock 1881
Pseudanoidia trilobitiformis (Green 1896)
Pseudococcus aonidum (Westwood 1839)
Pseudococcus comstocki (Kuwana 1902

)
Saissetia nigra (Nietner 1861)
Tachardina theae Green and Mann 1907

Ficus sp. (Moraceae)
Aspidiotus destructor Signoret 1869
Cerococcus ficoides Green 1899
Fiorinia formosensis Takahashi 1983
Fiorinia minor Maskell 1897
Ichthyaspis ficicola (Takahashi 1931)
Laccifer lacca (Kerr 1782)
Metaspidiotus stauntoniae (Takahashi 1933)
Saissetia formicarii (Green 1896)
Saissetia nigra (Nietner 1861)
Phenacoccus fici Takahashi 1940

Ficus swinhoei (Moraceae)
Pinnaspis muntingi Takagi 1965
Pseudaonidia trilobitiformis (Green 1896)

Ficus vasculosa (Moraceae)
Saissetia formicarii (Green 1896)

Ficus wightiana (Moraceae)
Icerya aegyptica (Douglas 1890)
Icerya seychellarum (Westwood 1855)
Laccifer greeni (Chamberlin 1923)
Saissetia formicarii (Green 1896)
Saissetia hemisphaerica (Targioni-Tozzetti 1867)
Saissetia nigra (Nietner 1861)

Flacourtia ramontchii (Flacourtiaceae)
Pseudaulacaspis major (Cockerell 1894)

Garcinia spicata (Guttiferae)
Ceroplastes rubens Maskell 1892
Chrysomphalus ficus Arhmead 1880
Hemiberlesia lataniae (Signoret 1869)
Saissetia formicarii (Green 1896)
Saissetia hemisphaerica (Targioni-Tozzetti 1867)
Vinsonia stellifera (Westwood 1871)

Gardenia florida (Rubiaceae)
Coccus acuminatus (Signoret 1873)
Coccus hesperidum Linnaeus 1758
Coccus viridis (Green 1889)
Cerococcus ficoides Green 1899
Ceroplastes floridensis Comstock 1881
Nipaecoccus filamentosus (Cockerell 1893)
Planococcus lilacinus (Cockerell 1905)
Pseudococcus aonidum (Westwood 1839)
Pulvinaria psidii Maskell 1892
Saissetia formicarii (Green 1896)
Saissetia hemisphaerica (Targioni-Tozzetti 1867)
Saissetia oleae (Bernard 1782)

Gardenia sp. (Rubiaceae)
Hemiberlesia cyanophylli (Signoret 1869)
Pseudococcus comstocki (Kuwana 1902)

Genipa americana (Rubiaceae)
Coccus viridis (Green 1889)

Glochidion callicarpa (Euphorbiaceae)
Coccus elongatus (Signoret 1873)

Glochidion dasyphyllum (Euphorbiaceae)
Saissetia armata Takahashi 1930

Glochidon eriocarpum (Euphorbiaceae)
Coccus hesperidum Linnaeus 1758

Glochidion hongkongense (Euphorbiaceae)
Aspidiotus excisus Green 1896

Glochidon sp. (Euphorbiaceae)
Anomalococcus multipori Morrison 1921
Coccus hesperidum Linnaeus 1758
Eriochiton formosae Takahashi 1929
Pulvinaria maxima Green 1904
Saissetia nigra (Nietner 1861)

Goniothalamus longifolia (Anonaceae)
Coccus elongatus (Signoret 1873)

Gordonia axillaris (Camelliaceae)
Diaspis manni (Green 1906)
Parlatoria camelliae Comstock 1883

Saissetia formicarii (Green 1896)
Selanomphalus euryae (Takahashi 1931)

Gossypium herbaceum (Malvaceae)
Saissetia nigra (Nietner 1861)
Saissetia oleae (Bernard 1783)

Grass=Gramineae.
Acanthomytilus graminicola (Takahashi 1934)
Chortinaspis bilobis (Maskell 1898)
Pseudococcus shintensis Takahashi 1934

Grevillea robusta (Proteaceae) *
Saissetia formicarii (Green 1896)

Helicia cochinchinensis (Proteaceae)
Pseudococcus aonidum (Westwood 1839)

Helicia formosana (Proteaceae)
Aonidiella citrina (Coquillett 1891)

Heritiera littoralis (Sterculiaceae)
Coccus viridis (Green 1889)
Eucalymnatus tessellatus (Signoret 1873)
Laccifer greeni (Chamberlin 1923)
Planococcus lilacinus (Cockerell 1905)

Heterosmilax japonica (Smilacaceae)
Parainsulaspis kamakurensis (Kuwana 1925)

Hibiscus rosasinensis (Malvaceae)
Aspidiotus destructor Signoret 1869
Coccus elongatus (Signoret 1873)
Hemiberlesia lataniae (Signoret 1869)
Laccifer lacca (Kerr 1782)
Neopinnaspis harperi McKenzie 1949
Pinnaspis hibisci Takagi 1970

Hibiscus taiwanensis (Malvaceae)
Pinnaspis hibisci Takagi 1970

Hibiscus tiliaceus (Malvaceae)
Aulacaspis crawii (Cockerell 1898)
Metaspidiotus stauntoniae (Takahashi 1933)
Parlatoreopsis chinensis (Marlatt 1908)

Hoya carnosa (Asclepiadaceae)
Aspidiotus excisus Green 1896

Hydrangea integrifolia (=integra) (Hydrangeaceae)
Lopholeucaspis japonica (Cockerell 1897)
Pseudaonidia trilobitiformis (Green 1896)

Hydrangea sp. (Saxifragaceae)
Lopholeucaspis japonica (Cockerell 1897)

Ilex formosana (Aquifoliaceae)
Lepidosaphes leei Takagi 1970

Ilex sp. (Aquifaliaceae)
Hemiberlesia rapax (Comstock 1881)

Illicium philippinense (Winteraceae)
Parlatoria crotonis Douglas 1887

Imperata arundenacea (Gramineae)
Acanthomytilus imperatae (Kuwana 1931)

Inocarpus edulis (Leguminosae)
Ferrisiana virgata (Cockerell 1893)

Ixora chinensis (Rubiaceae) *
Ceroplastes ceriferens (Anderson 1791)
Coccus viridis (Green 1889)
Planococcus citri (Risso 1813)
Saissetia hemisphaerica (Targioni-Tozzetti 1867)

Juniperus sp. (Cupressaceae)
Hemiberlesia lataniae (Signoret 1869)
Lepidosaphes maskelli (Cockerell 1897)

Kandelia rheedii (Rhizophoraceae)
Chinonaspis vitis (Green 1896)
Lindingaspis rossi (Maskell 1890)
Lepidosaphes pullida (Green 1896)
Parainsulaspis glaucae (Takahashi 1932)

Kentia macarthurii (Palmae) *
Saissetia formicarii (Green 1896)

Keteteeria davidiana (Pinaceae)
Fiorinia japonica Kuwana 1902
Lacuma nervosa ( )
Howardia biclavis (Comstock 1883)
Lagerstroemia flosreginae (Lythraceae)
Saissetia formicarii (Green 1896)
Lagerstroemia indica (Lythraceae)
Saissetia hemisphaerica (Targioni-Tozzetti 1867)
Lespedeza sp. (Leguminosae)
Planococcus citri (Risso 1813)
Ligustrum japonicum (Oleaceae)
Aspidiotus destcuctor Signoret 1869
Chysomphalus ficus Ashmead 1880
liliaceous plant
Parlatoria virescens Maskell 1897
Lindera communis (Lauraceae)
Chionaspis uenoi Takagi 1970
Fiorinia linderae Takagi 1970
Fiorinia smilaceti Takahashi 1931
Lindera sp. (Lauraceae)
Aulacaspis yabunikkei Kuwana 1926
Liquidamba formosana (Hamanelidaceae)
Laccifer greeni (Chamberlin 1923)
Lopholeucaspis japonica (Cockerell 1897)
Pseudaulacaspis cockerelli (Cooley 1897)
Listea akoensis (Lauraceae)
Hemiberlesia lataniae (Signoret 1869)
Megacanthaspis litseae Takagi 1970
Thysanaspis perkinsi Takagi 1969
Lithocarpus sp. (Fagaceae)
Asterolecanium horishae Russell 1941
Diaspis manni (Green 1906)
Kuwanaia lithocarpi Takahashi 1930
Lecanodiaspis cremastogastri Takahashi 1929
Lepidosaphes lithocarpi Takahashi 1934
Neoparlatoria formosana Takahashi 1931
Parlatoria lithocarpi Takahashi 1935
Pinnaspis lithocarpi Takahashi 1931
Quernaspis lithocarpi (Takahashi 1931)
Saissetia formicarii (Green 1896)
Lithocarpus uraiana (Fagaceae)
Andaspis crawii (Cockerell 1896)
Asterolecanium pasaniae Kuwana and Cockerell 1909
Neoparlatoria lithocarpi Takahashi 1934
Neoparlatoria lithocarpicola Takahashi 1931
Livistona subglosa (Palmae)
Aonidiella citrina (Coquillett 1891)
Lonicera japonica var. sempervillods (Caprifoliaceae)
Aspidiotus destructor Signoret 1869
Loranthus parasiticus (Loranthaceae)
Selanomphalus euryae (Takahashi 1931)
Maba buxifolia (Ebenaceae)
Icerya seychellarum (Westwood 1885)
Macaranga dipterocarpifolia (Euphoriaceae)
Planococcus lilacinus (Cockerell 1905)
Macaranga sp. (Euphorbiaceae)
Planococcus lilacinus (Cockerell 1905)
Macaranga tanarius (Euphorbiaceae)
Pseudococcus macarange Takahashi 1940
Machilus japonica (Luraceae)
Chionaspis machili (Takahashi 1931)
Chionaspis schizosoma Takagi 1970
Leucaspis incisa Takagi 1969
Leucaspis machili Takagi 1969
Parlatoria machili Takahashi 1931
Machilus kusanoi (Luraceae)
Chionaspis machili (Takahashi 1931)
Chionaspis schizosoma Takagi 1970
Fiorinia fioriniae (Targioni-Tozzetti 1867)

Leucaspi smachili Takagi 1969
Parlatoria camelliae Comstock 1883
Parlatoria machilicola Takahashi 1933
Silvestraspis uberifera (Lindinger 1911)

Machilus sp. (Luraceae)
Asterolecanium machili Russell 1941
Ceroplastes floridensis Comstock 1881
Chionaspis machilicola (Takahashi 1935)
Chionaspis schizosoma Takagi 1970
Chrysomphalus ficus Ashmead 1880
Diaonidia cinnamomi (Takahashi 1930)
Eucalymnatus tessellatus (Signoret 1873)
Icerya seychellarum (Westwood 1855)
Laccifer greeni (Chamberlin 1923)
Metaspidiotus machili (Takahashi 1931)
Paralecanium expansum (Green 1896)
Paralecanium machili Takahashi 1933
Parlatoria machilicola Takahashi 1933
Pseudaonidia trilobitiformis (Green 1896)
Saissetia formicarii (Green 1896)
Saissetia hemisphaerica (Targioni-Tozzetti 1867)
Tachardina theae Green and Mann. 1907

Maesa japonica (Myrsinaceae)
Aspidiotus destructor Signoret 1869

Maesa sinensis (Myrsinaceae)
Ceroplastes floridensis Comstock 1881

Maesa sp. (Myrsinaceae)
Hemiberlesia cyanophlli (Signoret 1869)
Metaspidiotus stauntoniae (Takahashi 1933)

Maesa tenera (Myrsinaceae)
Aonidiella aurantii (Maskell 1878)
Aonidiella citrina (Coquillett 1891)
Aulacaspis maesae Takagi 1970

Magnolia sp. (Magnoliaceae)
Pseudococcus aonidum (Westwood 1839)

Mahonia japonica (Berberidaceae)
Chrysomphalus ficus Ashmead 1880

Mallotus japonicus (Euphorbiaceae)
Cerococcus ficoides Green 1899
Planococcus lilacinus (Cockerell 1905)
Pseudaulacaspis pentagona (Targioni-Tozzetti 1855)

Mallotus philippinensis (Euphorbiaceae)
Coccus hesperidum Linnaeus 1758
Icerya aegyptica (Douglas 1890)

Mallotus sp. (Euphorbiaceae)
Planococcus lilacinus (Cockerell 1905)
Pseudococcus macarangae Takahashi 1940

Manihot esculenta (Euphorbiaceae)
Cocomytilus albus (Cockerell)

Mangifera indica (Anacardiaceae)
Aspidiotus destructor Signoret 1869
Aulacaspis tubercularis Newstead 1906
Ceroplastes ceriferens (Anderson 1791)
Ceroplastes floridensis Comstock 1881
Ceroplastes rubens Maskell 1892
Coccus hesperidum Linnaeus 1758
Coccus mangiferae (Green 1889)
Eucalymnatus tessellatus (Signoret 1873)
Fiorinia fioriniae (Targioni-Tozzetti 1867)
Hemiberlesia cyanophylli (Signoret 1869)
Icerya seychellarum (Westwood 1855)
Laccifer greeni (Chamberlin 1923)
Lindingaspis rossi (Maskell 1890)
Parlatoria proteus (Curtis 1843)
Pulvnaria psidii Maskell 1892
Pulvinaria taiwana Takahashi 1929
Saissetia formicarii (Green 1896)
Saissetia hemisphaerica (Targioni-

Tozzetti 1867)
Vinsonia stellifera (Westwood 1871)

Melastoma candidum (Melastomataceae)
Ceroplastes ceriferens (Anderson 1791)

Melia azedarach (Meliaceae)
Aulacaspis crawii (Cockerell 1898)
Lepidssaphes tubulorum Ferris 1921

Michelia alba (Magnoliaceae)
Coccus hesperidum Linnaeus 1758
Pseudaulacaspis cockerelli (Cooley 1897)
Saissetia formicarii (Green 1896)

Michelia champaca (Magnoliaceae)
Aspidiotus destructor Signoret 1869

Michelia formosana (Magnoliaceae)
Tachardina theae Green and Mann 1907

Michelia fuscata (Magnoliaceae)
Pseudanonidia duplex (Cockerell 1896)
Pseudaulacaspis cockerelli (Coo ey 1897)
Tachardina theae Green and Mann 1907

Michelia longifolia (Magnoliaceae)
Coccus acutissimus (Green 1893)
Coccus hesperidum Linnaeus 1758
Tachardina theae Green and Mann 1907

Michelia sp. (Magnoliaceae)
Coccus acutissimus (Green 1896)
Saissetia formicarii (Green 1896)

Milletia nitida (Leguminosae)
Coccus elongatus (Signoret 1873)
Coccus hesperidum Linnaeus 1758

Miscanthus sinensis (Graminae)
Kiritshenkella cellulosa (Hall 1923)
Pilococcus miscanthi Takahashi 1928
Pygalataspis miscanthi Ferris 1921
Trionymus latus Takahashi 1929

Miscanthus sp. (Gramineae)
Acanthomytilus chui Takagi 1970
Acanthomytilus sacchari (Hall 1923)
Aulacaspis divergens Takahashi 1935
Lecanopsis sacchari Takahashi 1928
Miscanthicoccus miscanthi (Takahashi 1928)
Neoripersia miscanthicola (Takahashi 1937)
Pilococcus miscanthi Takahashi 1928
Pseudococcus takahashii Lindinger 1931
Trionymus diminutus (Leonardi 1917)

Monstera deliciosa (Araliaceae)
Parlatoria proteus (Curtis 1843)

Morus alba (Moraceae)
Ceroplastes ceriferens (Anderson 1791)
Coccus elongatus (Signoret 1873)
Icerya aegyptica (Douglas 1890)
Icerya seychellarum (Westwood 1855)
Planococcus citri (Risso 1813)
Pseudaulacaspis pentagona (Targioni-Tozzetti 1855)
Saissetia nigra (Niether 1861)

Morus sp. (Moraceae)
Aspidiotus destructor Signoret 1869
Pulvinaria maxima Green 1904

Murraya paniculata (Rutaceae)
Aulacaspis murrayae Takahashi 1931

Murraya exotica (Rutaceae)
Coccus bicurciatus (Green 1904)
Lepidosaphes beckii (Newman 1869)
Pseudaonidia trilobitiformis (Green 1896)
Pulvinaria neocellulosa Takahashi 1940
Pulvinaria polygonata Cockerell 1905

Musa sapientum (Musaceae) *
Aonidiella comperei McKenzie 1937
Chrysomphalus ficus Ashmead 1880
Pinnaspis muntingi Takagi 1965 (M. sapieus)
Saissetia nigra (Nietner 1861)

Musa sp. (Musaceae)
Aspidiotus destructor Signoret 1869
Mussaenda luteola (Rubiaceae)
Nipaecoccus filamentosus (Cockerell 1893)
Myrica rubra (Myricaceae)
Coccus elongatus (Signoret 1873)
Fiorinia taiwana Takahashi 1934
Paralecanium expansum (Green 1896)
Tachardina theae Green and Mann 1907
Myristica heterophylla (Myristicaceae)
Ceroplastes rubens Maskell 1892
Chrysomphalus ficus Ashmead 1880
Fiorinia fioriniae (Targioni-Tozzetti 1867)
Saissetia formicarii (Green 1896)
Nephelium litchi (Sapinaceae)
Coccus elongatus (Signoret 1873)
Laccifer lacca (Kerr 1782)
Thysanofiorinia nephalii (Maskell 1898)
Nerium indicum (Apocynaceae) *
Pseudaulacaspis cockerelli (Cooley 1897)
Nerium odorum (Apocynaceae)
Saissetia oleae (Bernard 1782)
Ferrisiana virgata (Cockerell 1893)
Nipaecoccus filamentosus (Cockerell 1893)
Neolitsea acuminutissima (Lauraceae)
Aulacaspis alisiana Takagi 1970
Neolitsea sp. (Lauraceae)
Aulacaspis yabunikkei Kuwana 1926
Olea europaea (Oleaceae) *
Saissetia formicarii (Green 1896)
Oplismenus sp. (Gramineae)
Aulacaspis madiunmensis (Zehntner 1898)
Oryza sativa (Gramineae)
Trionymus taiwanus Takahashi 1932
Osmanthus fragrans (Oleaceae)
Chrysomphalus ficus Ashmead 1880
Coccus elongatus (Signoret 1873)
Parlatoria pergandei Comstock 1881
Pinnaspis uniloba (Kuwana 1909)
Saissetia hemisphaerica (Targioni-Tozzetti 1867)
Osmanthus sp. (Oleaceae)
Parlatoria proteus (Curtis 1843)
Palaquium formosanum (Sapotaceae)
Ceroplastes rubens Maskell 1892
Chrysomphalus ficus Ashmead 1880
Coccus mangiferae (Green 1889)
Eucalymnatus tessellatus (Signoret 1873)
Laccifer greeni (Chamberlin 1923)
Saissetia formicarii (Green 1896)
Palm (Palmae)
Fiorinia minor Makell 1897
Pandanus boninensis (Pandanaceae) *
Aspidiotus destructor Signoret 1869
Pandanus sp. (Pandanaceae)
Pseudococcus comstocki (Kuwana 1902)
Pandanus tectorius (Pandanaceae)
Aspidiotus destructor Signoret 1869
Chrysomphalus ficus Ashmead 1880
Parlatoria pergandei Comstock 1881
Panicum grantum (Gramineae)
Ferrisiana virgata (Cockerell 1893)
Passiflora edulis (Passifloraceae) *
Planococcus citri (Risso 1813)
Persea gratissima (Lauraceae)
Ceroplastes ceriferens (Anderson 1791)
Ceroplastes rubens Maskell 1892
Drosicha contrahens Walker 1858
Ferrisiana virgata (Cockerell 1893)
Icerya seychellarum (Westwood 1855)
Planococcus citri (Risso 1813)
Saissetia formicarii (Green 1896)
Phalaenopsis amabilis (Orchidaceae)
Parlatoria proteus (Curtis 1843)

Phoebe formosana (Lauraceae)
Aulcaspis phoebicola Takahashi 1936
Phoenix sp. (Palmae)
Pseudaulacaspis cockerelli (Cooley 1897)
Phragmitis sp. (Gramineae)
Antonina indica Green 1908
Aspidiella phragmitis (Takahashi 1931)
Greenaspis elongata (Green 1899)
Kuwanaspis phragmitis Takahashi 1931
Nikkoaspis hichiseiana (Takahashi 1934)
Phyllostachys pubescens (Bambasaceae)
Kuwanaspis suishana (Takahashi 1930)
Pinus thunbergii (Pinaceae)
Fiorinia japonica Kuwana 1902
Poliaspis pini (Maskell 1897)
Pinus sp. (Pinaceae)
Chrysomphalus ficus Ashmead 1880
Hemiberlesia pitysophila Takagi 1969
Lepidosaphes pitysophila Takagi 1970
Pyrus serotina (Rosaceae)
Andaspis hawaiensis (Maskell 1894)
Inglisia formosana Takahashi 1930
Pyrus sp. (Rosaceae)
Saissetia nigra (Nietner 1861)
Pithecolobium dulce (Mimosaceae)
Coccus elongatus (Signoret 1873)
Pittosporum tobira (Pittosporaceae)
Lopholeucaspis japonica (Cockerell 1897)
Platanus orientalis (Platanaceae)
Laccifer greeni (Comberlin 1923)
Pleioblastus sp. (Bambusaceae)
Kuwanaspis arundinariae Takahashi 1938
Heterococcus pulverarius (Newstead 1892)
Plumeira acutifolia (Apocynaceae)
Coccus viridis (Green 1889)
Ferrisiana virgata (Cockerell 1893)
Saissetia hemisphaerica (Targioni-Tozzetti 1867)
Saissetia nigra (Nietner 1861)
Podocarpus macrophylla (Podocarpaceae) *
Aonidiella tsugae Takagi 1969
Chrysomphalus ficus Ashmead 1880
Fiorinia japonica Kuwana 1902
Fiorinia pinicola Maskell 1897
Icerya seychellarum (Westwood 1855)
Lepidosaphes maskelli (Cockerell 1897)
Polygonum chinensis (Polygonaceae)
Ceroplastes ceriferens (Anderson 1791)
Pometia pinnata (Sapindaceae)
Ceroplastes ceriferens (Anderson 1917)
Coccus elongatus (Signoret 1873)
Poncirus trifoliata (Rutaceae) *
Ceroplastes floridensis Comstock 1881
Pothos seemannii (Araceae)
Aspidiotus pothos Takagi 1969
Pinnaspis buxi (Bouche 1851)
Pouteria obovata (Sapotaceae)
Pinnaspis strachani (Cooley 1899)
Prunus communis (Rosaceae)
Pseudaulacaspis pentagona (Targioni-Tozzetti 1855)
Pseudococcus aonidum (Westwood 1839)
Prunus persica (Rosaceae)
Pseudaulacaspis pentagona (Targioni-Tozzetti 1855)
Prunus sp. (Rosaceae)
Saissetia formicarii (Green 1896)
Psidium guayava (Myrtaceae)
Aspidiotus destructor Signoret 1869
Ceroplastes floridensis Comstock 1881
Coccus viridis (Green 1889)
Eucalymnatus tessellatus (Signoret 1873)

Ferrisiana virgata (Cockerell 1893)
Icerya aegyptica (Douglas 1890)
Icerya seychellarum (Westwood 1855)
Planococcus citri (Risso 1813)
Pseudococcus aonidum (Westwood 1839)
Pulvinaria psidii Maskell 1892
Saissetia formicarii (Green 1896)
Saissetia hemisphaerica (Targioni-Tozzetti 1867)
Saissetia nigra (Nietner 1861)

Psidium sp. (Myrtaceae)
Pseudococcus comstocki (Kuwana 1902)

Psychotria elliptica (Rubiaceae)
Ceroplastes floridensis Comstock 1881
Coccus mangiferae (Green 1889)
Icerya aegyptica (Douglas 1890)
Pulvinaria psidii Maskell 1892
Saissetia hemisphaerica (Targioni-Tozzetti 1867)

Psychotria reevesii (Rubiaceae)
Asterolecanium corallinum Takahashi 1928

Psychotria rubra (Rubiaceae)
Aspidiotus destructor Signoret 1869

Psychotria serpens (Rubiaceae)
Coccus acuminatus (Signoret 1873)
Hemiberlesia cyanophylli (Signoret 1869)

Psychotria sp. (Rubiaceae)
Asterolecanium psychotriae Russell 1941
Cerococcus ornatus Green 1909

Pyracantha koidzumi (Rosaceae)
Clavaspidiotus tabayanus (Cockerell 1905)
Lindingaspis rossi (Maskell 1890)

Pygeum preslii (Rosaceae)
Ceroplastes ceriferens (Anderson 1791)

Quercus pseudomyrsimaefolia (Fagaceae)
Chionaspis rortunda (Takahashi 1935)

Quercus sp. (Fagaceae)
Asterolecanium horishae Russell 1941
Asterolecanium suishae Russell 1941
Kermes tropicalis Takahashi 1936
Pseudaonidia trilobitiformis (Green 1896)
Pseudaulacaspis taiwana (Takahashi 1935)
Taiwanaspidiotus yiei Takagi 1969

Randia canthioides (Rubiaceae)
Fiorinia proboscidaria var. randiae Takahashi 1934

Ravenala madagascariensis (Sterculiaceae) *
Hemiberlesia lataniae (Signoret 1869)

Rohdea japonica (Liliaceae)
Coccus hesperidum Linnaeus 1758

Rhododendron ellipticum (Ericaceae)
Parlatoria camelliae Comstock 1883

Rhododendron hymnathes var. heptamerum, var. pentamerum, var. angustifolia (Ericaceae)
Fiorinia horii Kuwana 1927

Rhododendron lasiostylum (Ericaceae)
Fiorinia horii Kuwana 1927

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Fiorinia rhododendri Takahashi 1935
Hemiberlesia chipposanensis (Takahashi 1935)
Hemiberlesia lataniae (Signoret 1869)
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Planococcus lilacinus (Cockerell 1905)
Pseudaulacaspis cockerelli (Colley 1897)
Taiwanaspidiotus shakunagi (Takahashi 1935)

Rhodomyrtus tomentosa (Myrtaceae)
Ceroplastes ceriferens (Anderson 1791)
Ceroplastes floridensis Comstock 1881

Laccifer greeni (Chamberlin 1923)
Tachardina theae Green and Mann 1907

Rhus floribunda paniculatus (Anacardiaceae)
Aulacaspis saigusai Takagi 1970

Rhus semialata (Anacardiaceae)
Aspidiotus excisus Green 1896

Rhus sp. (Anacardiaceae)
Coccus elongatus (Signoret 1873)
Saissetia hemisphaerica (Targioni-Tozzetti 1867)

Rhus verniciflua (Anacardiaceae)
Coccus hesperidum Linnaeus 1758
Saissetia formicarii (Green 1896)
Saissetia hemisphaerica (Targioni-Tozzetti 1867)

Rhynchostylus retusa
Diaspis boisduvali Signoret 1869

Rosa sp. (Rosaceae)
Aulacaspis rosae (Boudhe 1834)
Chrysomphalus ficus Ashmead 1880
Icerya purchasi Maskell 1878

Saccharum officinarum (Gramineae)
Aclerda sacchari Teagne 1925
Aclerda thysanolaenae Mamet 1943
Aspidiotus destructor Signoret 1869
Aulacaspis madiunmensis (Zehntner 1898)
Aulacaspis tegalensis (Zehntner 1898)
Coccus iceryi Guerin-Meneville 1882
Duplachionaspis stanotophri (Cooley 1899)
Dysmicoccus boninsis (Kuwana 1909)
Lecanopsis sacchari Takahashi 1928
Pseudococcus saccharicola Takahashi 1928
Pseudococcus takahashii Lindinger 1932
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Andaspis mori Probhaker Rao and Ferris 1952

Sapium sebiferum (Euphorbiaceae)
Aspidiotus destructor Signoret 1869
Icerya seychellarum (Westwood 1855)
Lepidosaphes tubulorum Ferris 1921
Saissetia formicarii (Green 1896)
Saissetia nigra (Nietner 1861)

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Hemiberlesia lataniae (Signoret 1869)

Scheffera octophylla (Araliaceae) =Agalma lutchuense, Heptapleurum octophyllum
Aonidiella aurantii (Maskell 1878)
Metaspidiotus machili (Takahashi 1931)
Protopulvinaria pyriforms (Cockerell 1894)
Parainsulaspis kamakurensis (Kuwana 1925)
Saissetia formicarii (Green 1896)

Schima confertiflora (Camelliaceae)
Ceroplastes floridensis Comstock 1881
Saissetia formicarii (Green 1896)

Schima noranhae (Camelliaceae)
Formicoccus schimae Takahashi 1929

Schima sp. (Camelliaceae)
Tachardina theae Green and Mann 1907
Trionymus latus Takahashi 1929

Scolopia oldhamii (=crenata) (Flacourtiaceae)
Coccus scolopiae Takahashi 1933
Lindingaspis rossi (Maskell 1890)
Metaspidiotus stauntoniae (Takahashi 1933)
Parlatoria pergandei Comstock 1881
Parainsulaspis glaucae (Takahashi 1932)
Pseudaonidia trilobitiformis (Green 1896)
Pseudaulacaspis major (Cockerell 1894)

Severinia buxifolia (Atlantia bilocularis) (Rosaceae)
Chionaspis atlanticae Takahashi 1933

Sideroxylon sp. (Sapotaceae)
Asterolecanium corallinum Takahashi 1928

Smilax sp. (Smilacaceae)
Aonidiella citrina (Coquillett 1891)
Aulacaspis spinosa (Maskell 1897)
Fiorinia smilaceti Takahashi 1931
Smilacicola apicalis Takagi 1969

Spinifex littoreus (Gramineae)
Duplachionaspis divergens (Green 1899)

Stauntonia hexaphylla (Lardizabalaceae)
Metaspidiotus stauntoniae (Takahashi 1933)

Stauntonia keitaoensis (Lardizabalaceae)
Pseudaulacaspis sasakawai Takagi 1970

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Pseudaulacaspis pentagona (Targioni-Tozzetti 1855)

Symplocos arisanensis (Symplosaceae)
Pseudaulacaspis sasakawai Takagi 1970

Symplocos eriobotryaefolia (Symplosaceae)
Lepidosaphes leei Takagi 1970
Pseudaulacaspis sasakawai Takagi 1970

Tabernaemontana sp. (Apocynaceae)
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Tamarindus indicus (Leguminosae)
Planococcus lilacinus (Cockerell 1905)

Taxus mairei (Taxaceae)
Fiorinia japonica Kuwana 1902

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Planococcus lilacinus (Cockerell 1905)
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Terminalia catappa (Combretaceae)
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Terminalia chebula (Combretaceae) *
Coccus hesperidum Linnaeus 1758

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Ceroplastes floridensis Comstock 1881
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Planococcus citri (Risso 1813)

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Chrysomphalus ficus Ashmead 1808

Thysanospermum diffusum (Rubiaceae)
Fiorinia theae Green 1900

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Pseudaonidia trilobitiformis (Green 1896)

Trachycarpus fortunei (Palmae)
Aspidiotus destructor Signoret 1869

Trochodendran aralioides (Trochodendraceae)
Chionaspis trochodendri (Takahashi 1936)
Pseudaulacaspis cockerelli (Cooley

1897)

Tsuga chinensis var. formosana (Pinaceae)
- Aonidiella taxus Leonardi 1906
- Crassaspidiotus takahashii Takagi 1969
- Epifiorinia tsugae Takagi 1970
- Lepidosaphes japonica (Kuwana 1902)
- Lepidosaphes nivalis Takagi 1970

Turpinia formosana (Staphyleaceae)
- Fiorinia theae var. turpiniae Takahashi 1934
- Unaspis turpiniae Takahashi 1934

Urena lobata (Malvaceae)
- Aspidiotus excisus Green 1896

Viburnum arboricolum (Caprifoliaceae)
- Aspidiotus destructor Signoret 1869
- Lepidosaphes leei Takagi 1970
- Pseudulacaspis cockerelli (Cooley 1897)

Viburnum odoratissimum (Caprifoliaceae)
- Pseudaulacaspis cockerelli (Cooley 1897)

Viburnum sp. (Caprifoliaceae)
- Aspidiotus excisus Green 1896

Vitex negundo (Verbenaceae)
- Andaspis viticis Takagi 1970
- Icerya purchasi Maskell 1878

Vitis sp. (Vitaceae)
- Leucaspis vitis (Takahashi 1935)
- Lindingaspis rossi (Maskell 1890)
- Metaspidiotus stauntoniae (Takahashi 1933)
- Parlatoria proteus (Curtis 1843)

Vitis vinifera (Vitaceae)
- Coccus elongatus (Signoret 1873)

Wikstroemia sp. (Thymelaceae)
- Chionaspis formosana (Takahashi 1934)

Zizyphus sp. (Rhamnaceae) *
- Nipaecoccus filamentosus (Cockerell 1893)

Host : unknown
- Aonidia rarasana Takahashi 1934
- Chionaspis takahashii (Ferris 1955)
- Coccus caudaus (Green 1896)
- Drosicha dalbergiae (Green 1902)
- Lepidosaphes beckii (Newman 1869)
- Lepidosaphes garanbiensis Takahashi 1933
- Lepidosaphes yamahoi Takahashi 1935
- Pinnaspis konoi (Takahashi 1935)
- Pseudaulacaspis kuwanai Takahashi 1956

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Explanation of localities into Chinese

Alishan 阿里山
Changhua 彰化
Chaochow 潮州
Chiayi 嘉義
Chiaochi 礁溪
Chihpen 知本
Chishan 旗山
Chuchi 竹崎
Chushan 竹山
Erhshui 二水
Fengliao 枋寮
Fenchifu 奮起湖
Fengshan 鳳山
Fengyuan 豐原
Henchun 恆春
Hsinchu 新竹
Hsinchung 新莊
Hsinhua 新化
Hsinpu 新埔
Hsintien 新店
Hualien 花蓮
Ilan 宜蘭
Kangshan 岡山
Kaohsiung 高雄
Keelung 基隆
Kenting 墾丁
Kuantzuling 關子嶺
Lanhsu 蘭嶼
Lopei 老埤
Lotung 羅東
Matou 麻豆
Meifeng 梅峰
Miaoli 苗栗
Nengkao 能高
Ouluanpi 鵝鑾鼻
Pashiesnhan 八仙山
Peipu 北埔
Peitau 北投
Penghu 澎湖
Pingchien 平鎭
Pingtung 屏東
Puli 埔里
Sanhsia 三峽
Shihlin 士林
Shuishe 水社
Shihting 石碇
Sungkang 松崗
Suo 蘇澳
Taichung 臺中
Tainan 臺南
Taipei 臺北
Taipingshan 太平山
Taishu 大樹
Taitung 臺東
Tanshui 淡水
Taoyuan 桃園
Toko 土庫
Tungpu 東埔
Tungshih 東勢
Tuniu 土牛
Wulai 烏來
Wushe 霧社
Yangmingshan 陽明山
Yunlin 雲林
Yensuikong 鹽水港
Yuanlin 員林
Yuanshan 圓山
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